

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE X WATER SANDS LOCATION INSPECTION SUB. REPORT/abd.DATE FILED Feb 9, 2000

LAND FEE & PATENTED

STATE LEASE NO

ML-21839

PUBLIC LEASE NO

INDIAN

DRILLING APPROVED

March 16, 2000

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API

GOR.

PRODUCING ZONES

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD

Monument Butte

UNIT

API No: 43-013-31932

COUNTY:

Duchesne

WELL NO

43-013-31932 MONUMENT BUTTE ST 15-2-9-16

LOCATION

0778 FSL

FT. FROM (N) (S) LINE.

1996 FEL

FT. FROM (E) (W) LINE

1/4 - 1/4 SEC.

SW SE

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				<u>9S</u>	<u>16E</u>	<u>2</u>	<u>Inland Production Co.</u>



February 7, 2000

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
ATTN: Lisha Cordova
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill
Monument Butte State 15-2
Section 2, T9S, R16E
Duchesne County, Utah

Gentlemen:

Enclosed please find an Application for Permit to Drill the above captioned well, which is being submitted for your approval. We had previously submitted an Application for Permit to Drill in 1995 and it was approved on December 1, 1995. A copy of the previously approved permit is also enclosed. The new permit and drilling program have been revised to better reflect our current procedures. We have also updated some of the exhibits.

If you should require any additional information or if you have any questions, please contact me at (303) 893-0102.

Sincerely,


Jon Holst
Counsel

Enclosures

RECEIVED

FEB 09 2000

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-21839
1b. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Inland Production Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NUMBER: 410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102		8. FARM OR LEASE NAME Monument Butte State
4. LOCATION OF WELL (FOOTAGE) At Surface SW/SE 778' FSL & 1996' FEL 4429160 N At proposed Producing Zone 573372 E		9. WELL NO. #15-2-9-16
10. FIELD AND POOL OR WILDCAT Monument Butte		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/SE Sec. 2, T9S, R16E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 +/- Miles South of Myton, UT		12. County Duchesne
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 778' from lease line & unit line		13. STATE UT
16. NO. OF ACRES IN LEASE 640	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. ~ 1320'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5527' GR		22. APPROX. DATE WORK WILL START* 1st Quarter 2000

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx * back to surface
7 7/8	5 1/2	15.5#	TD	400 sx followed by 330 sx
See Detail Below				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

***The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

SURFACE PIPE - Class G Cement w/2% CaCl₂ & 1/4#/sk Cello-flake

Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H2O Req: 6.4 gal/sk

LONG STRING - Lead: Premium Lite w/3% KCl & 10% gel

Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk

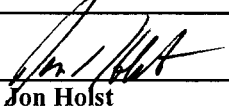
Tail: 50-50 POZ

Weight: 14.2 PPG YIELD: 1.24 Cu Ft/sk H2O Req: 5.5 gal/sk

RECEIVED

FEB 09 2000

DIVISION OF
OIL, GAS AND MINING

24. Name & Signature  Title: Counsel Date: 1/17/00
Jon Holst

(This space for State use only)

API Number Assigned: 43-013-31932

APPROVAL: _____

**Approved by the
Utah Division of
Oil, Gas and Mining**

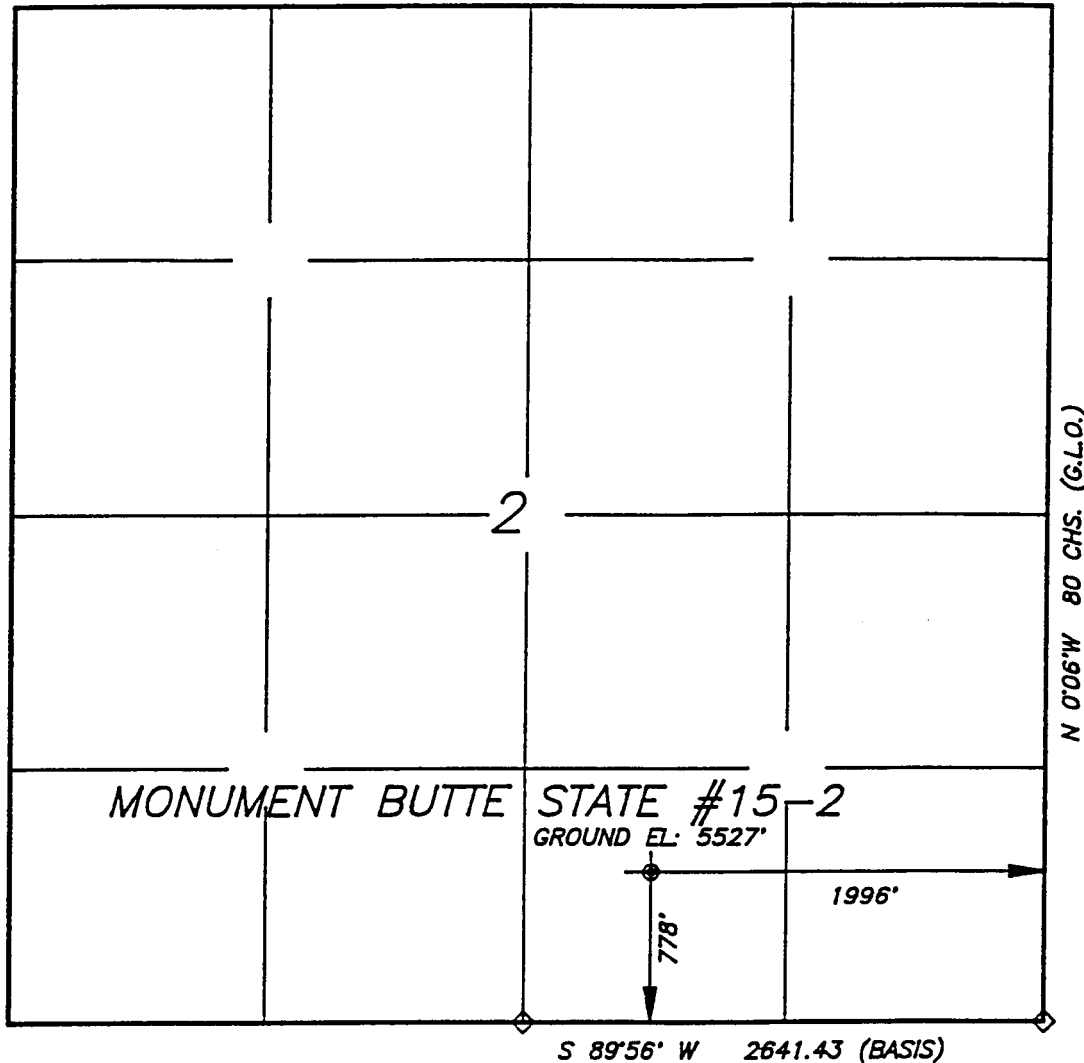
Date: 3/16/00

By: 

*See Instructions On Reverse Side

INLAND PRODUCTION CO.
WELL LOCATION PLAT
MONUMENT BUTTE STATE #15-2

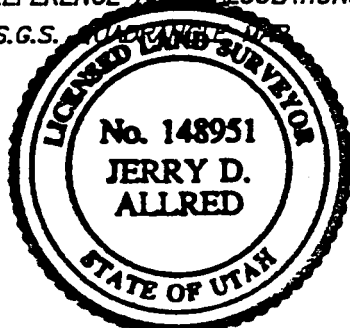
LOCATED IN THE SW1/4 OF THE SE1/4
SECTION 2, T9S, R16E, S.L.B.&M.



LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. PLAT.



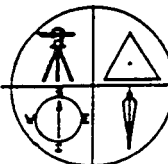
19 OCT 1995

84-121-032

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

Jerry D. Allred
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER STREET
P.O. BOX 975
DUCHESTER, UTAH 84021
(801)-738-5352

INLAND PRODUCTION COMPANY
MONUMENT BUTTE STATE #15-2-9-16
SW/SE SECTION 2, T9S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT WELL PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 3030'
Green River	3030'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3030' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 300' (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected); or
4-1/2" J-55 11.6# w/LT&C collars; set at TD (New or used, inspected)

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Series 900 Annular Bag type BOP and an 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

(See Exhibit F)

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3030' +/- to TD, a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

MUD TYPE

Surface – 320'

Air

320' – 3800'

Air/Mist & Foam

3800' – TD

The well will be drilled with fresh water through the Green River Formation @ 4200' +/-, to TD, a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel and, if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBDT to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2000, and take approximately eight (8) days from spud to rig release.

INLAND PRODUCTION COMPANY
MONUMENT BUTTE STATE #15-2-9-16
SW/SE SECTION 2, T9S, R163
DUCHESNE COUNTY, UTAH

THIRTEEN POINT WELL PROGRAM

1. **EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Monument Butte State #15-2-9-16 located in the SW ¼ SE ¼ Section 2, T9S, R16E, S.L.B. & M, Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.5 miles to the junction of this highway and Utah State Highway 53; proceed southeasterly along Utah State Highway 53 approximately 10.6 miles to its junction with an existing dirt road to the southwest; proceed southwesterly along this road 3.35 miles to its intersection with the beginning of the proposed access road.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 0.4 miles of access road is proposed.
See Topographic Map "B".

The proposed access road will be an 18" crown road (9" either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **Exhibit D**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from the Johnson Water District, or trucked from Inland Production Company's water supply line..

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet – **Exhibit E**.

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - See **Exhibit E**.

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. A water-processing unit may be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, the operator may use a liner for the purpose of reducing water loss through percolation.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet – **Exhibit E**.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The **Archaeological Cultural Resource Survey** is attached.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Inland Production Company guarantees that during the drilling and completion of the Monument Butte State 15-2-9-16, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Monument Butte State 15-2-9-16 we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Donn Murphy
Address: 410 Seventeenth Street
Suite 700
Denver, CO 80202
Telephone: (303) 893-0102

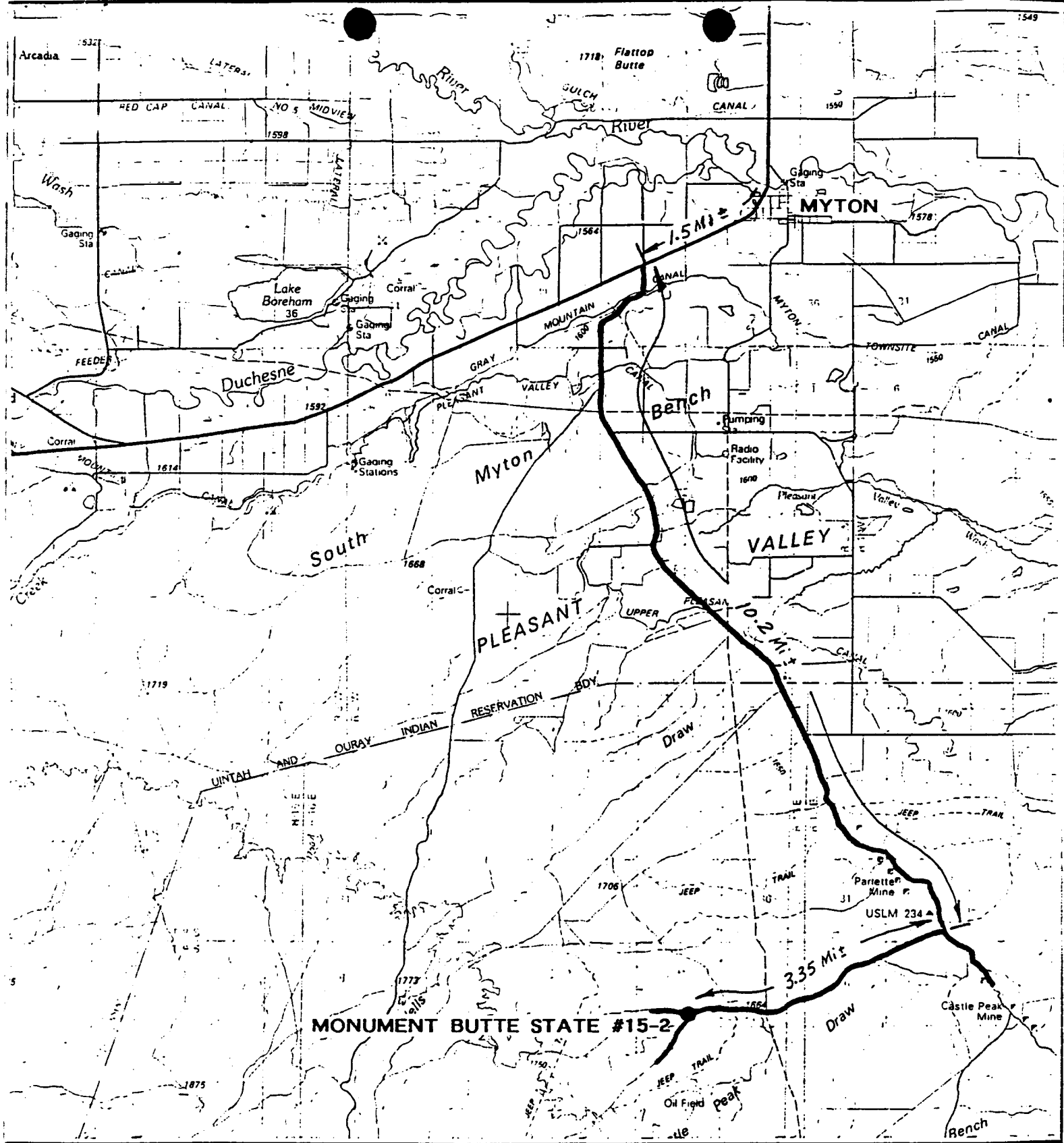
Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #15-2-9-16, SW/SE Section 2, T9S, R16e, Lease #ML-21839, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

2-7-00
Date

Donn Murphy
Donn Murphy
Sr. Operations Engineer



TOPOGRAPHIC
MAP "A"

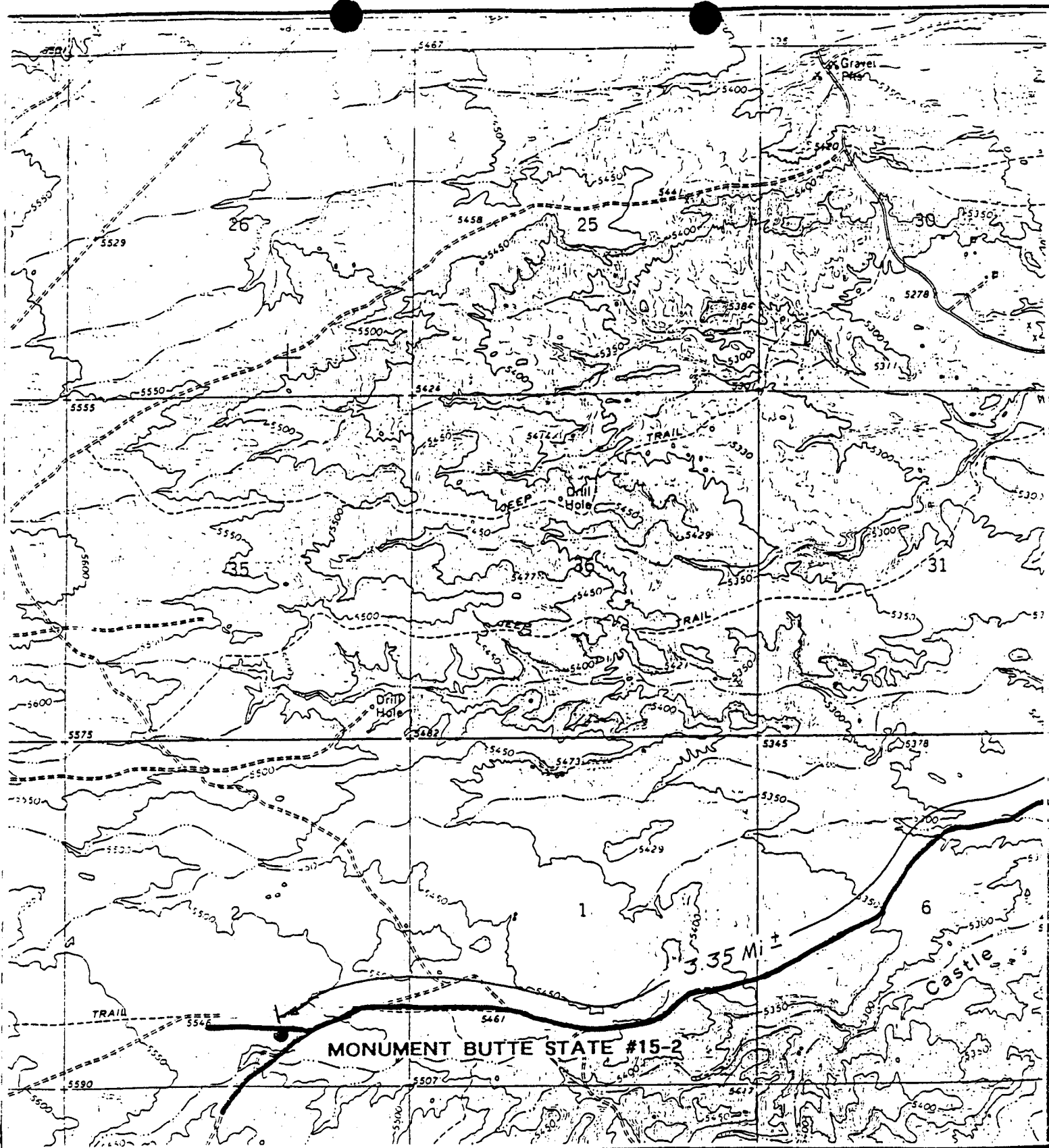


INLAND PRODUCTION COMPANY

**MONUMENT BUTTE STATE #15-2
SECTION 2, T9S, R16E, S.L.B.&M.**

19 Oct '95

80-121-232



TOPOGRAPHIC
MAP "B"
SCALE: 1" = 2000'



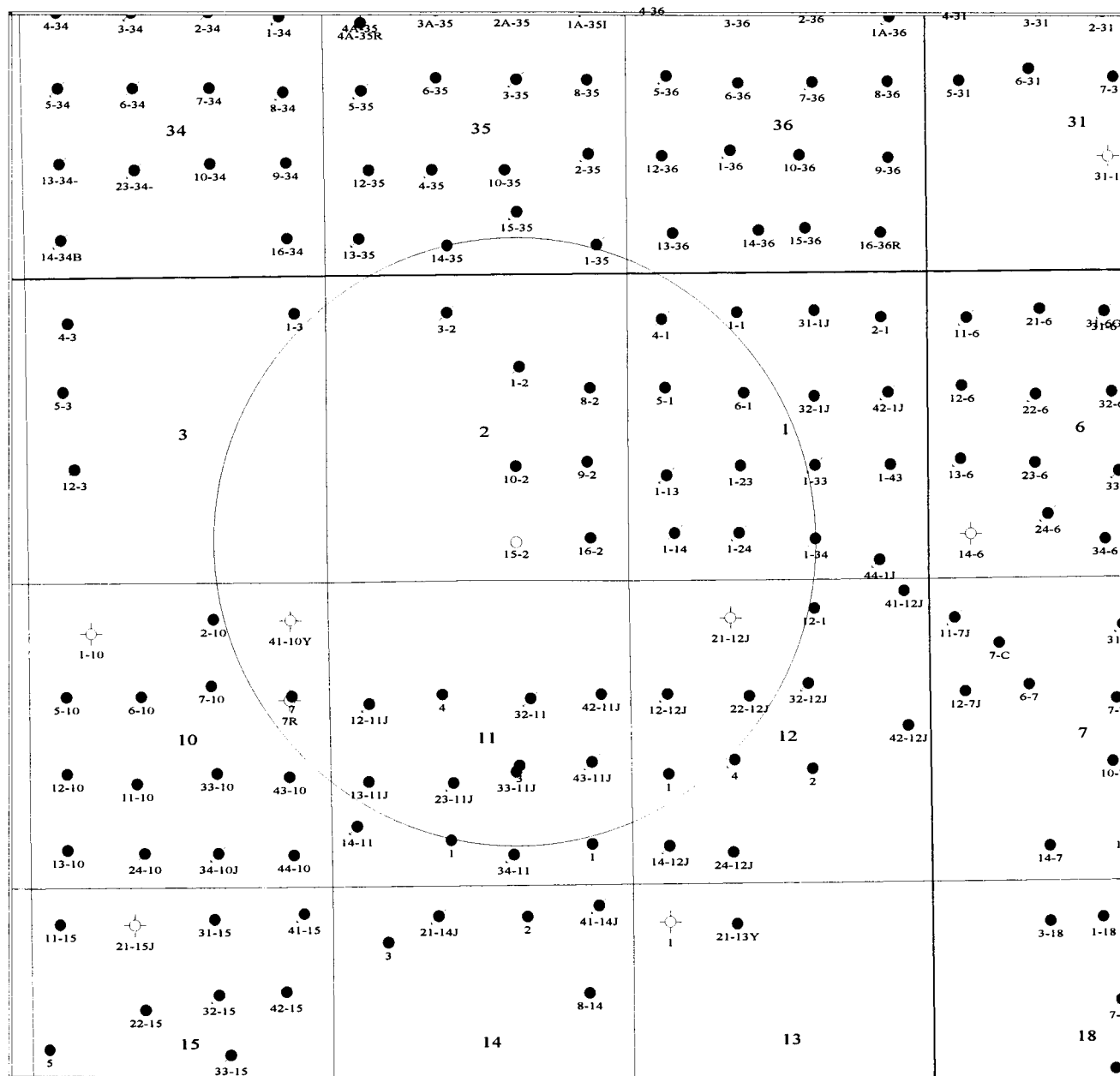
INLAND PRODUCTION COMPANY

MONUMENT BUTTE STATE #15-2
SECTION 2, T9S, R16E, S.L.B.&M.

19 Oct '95

84-121-032

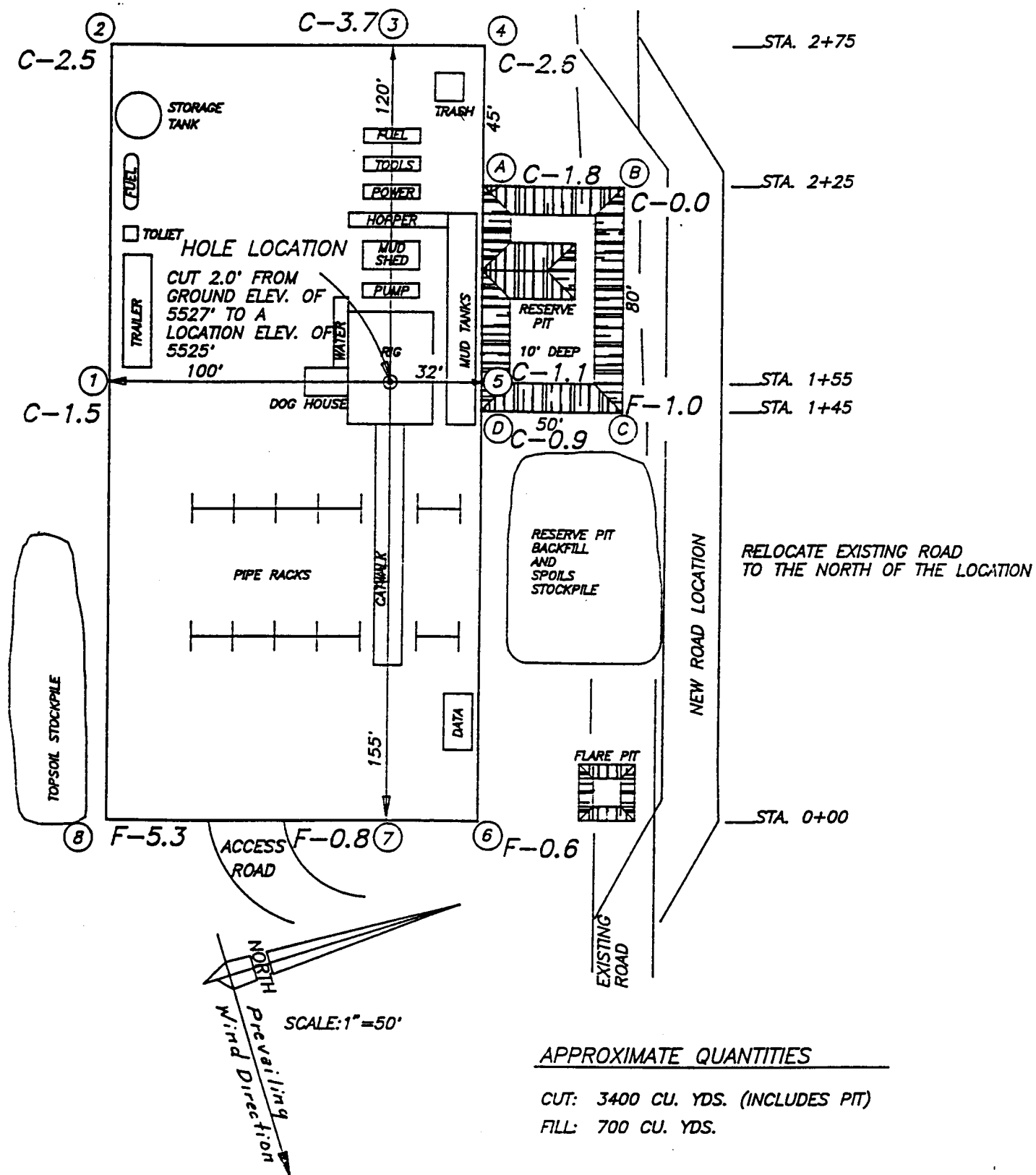
EXHIBIT D



INLAND PRODUCTION COMPANY		
One Mile Radius Monument Butte Fed. #15-2-9-16		
Job Number		1/24/2000
Scale 1:3456783		

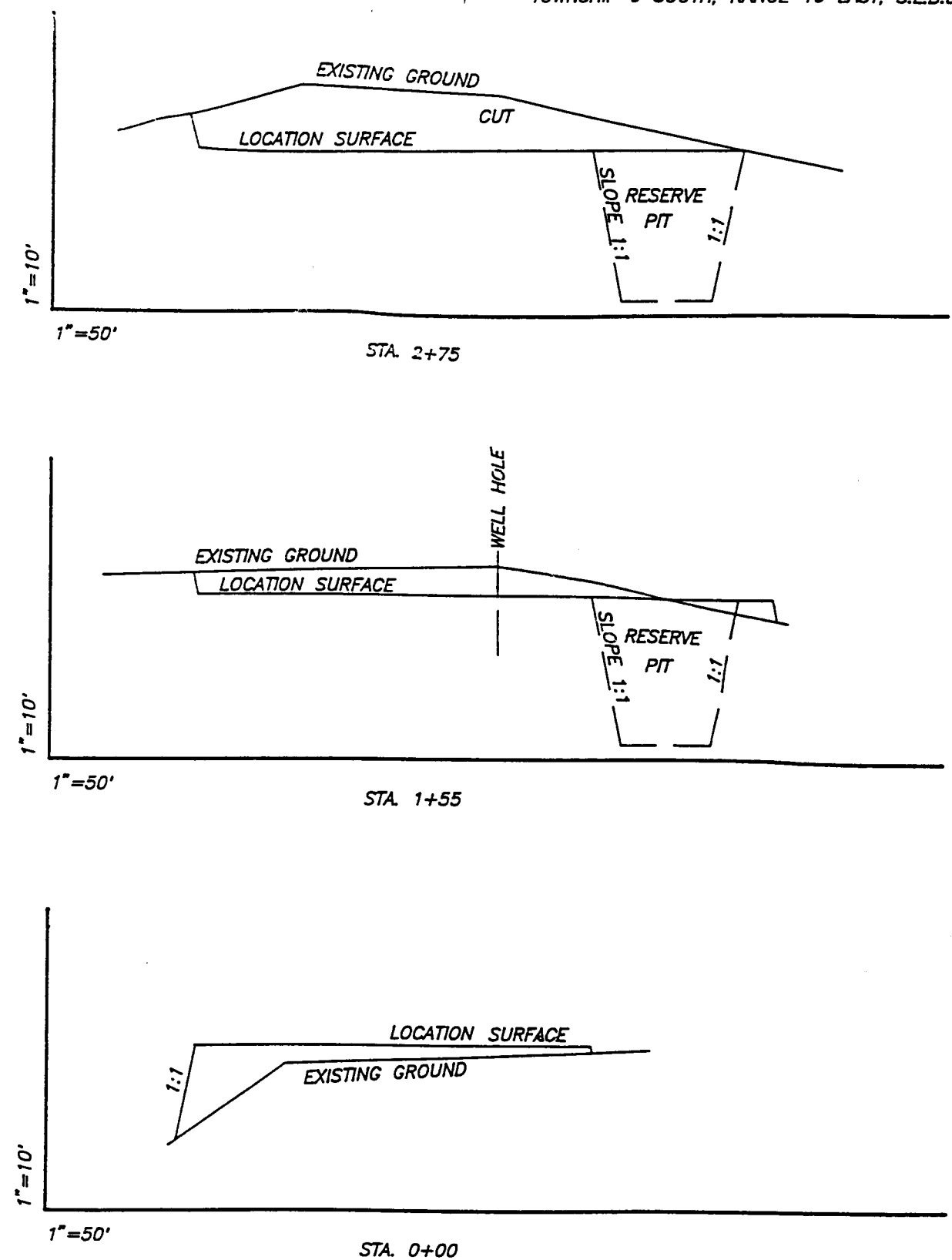
EXHIBIT E
INLAND PRODUCTION CO.
WELL LAYOUT FLAT
MONUMENT BUTTE STATE #15-2

LOCATED IN THE SE1/4 OF THE SE1/4 OF SECTION 11,
 TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.B.&M.



APPROXIMATE QUANTITIES

CUT: 3400 CU. YDS. (INCLUDES PIT)
 FILL: 700 CU. YDS.



	JERRY D. ALLRED AND ASSOCIATES Surveying and Engineering Consultants
	121 NORTH CENTER STREET P.O. BOX 975 DUCHESNE, UTAH 84021 (801) 738-5352

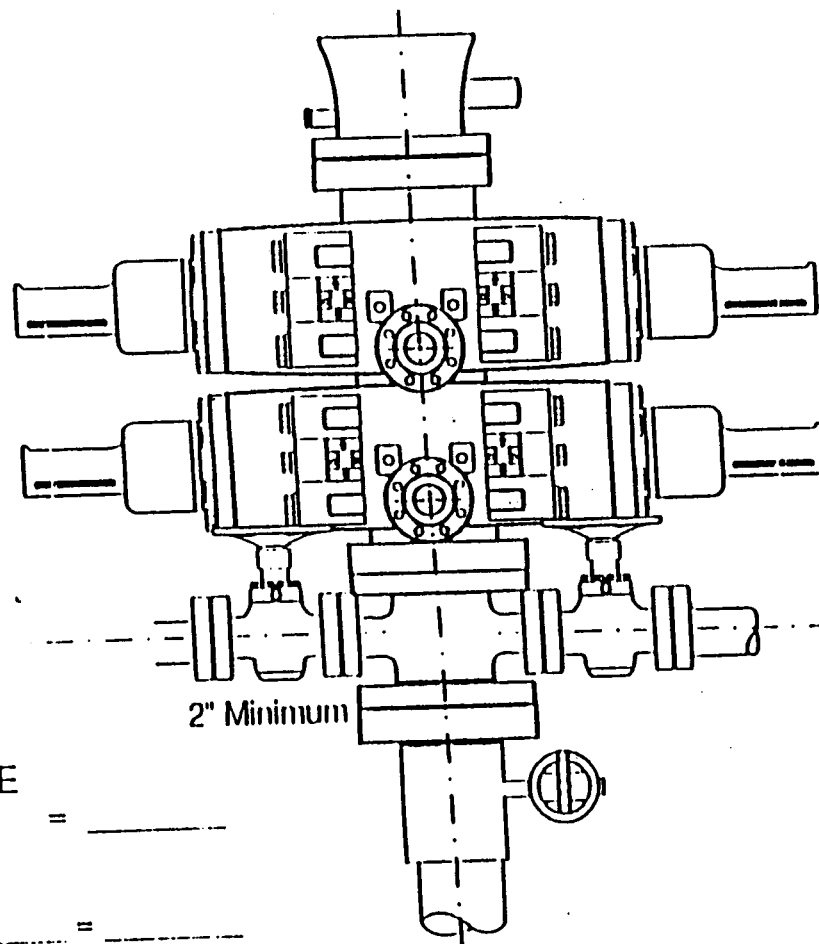
19 OCT 1995

84-121-032

2-M SYSTEM

TYPE B.O.P.

3:
:
:
el:



2" Minimum

GAL TO CLOSE

Annular BOP = _____

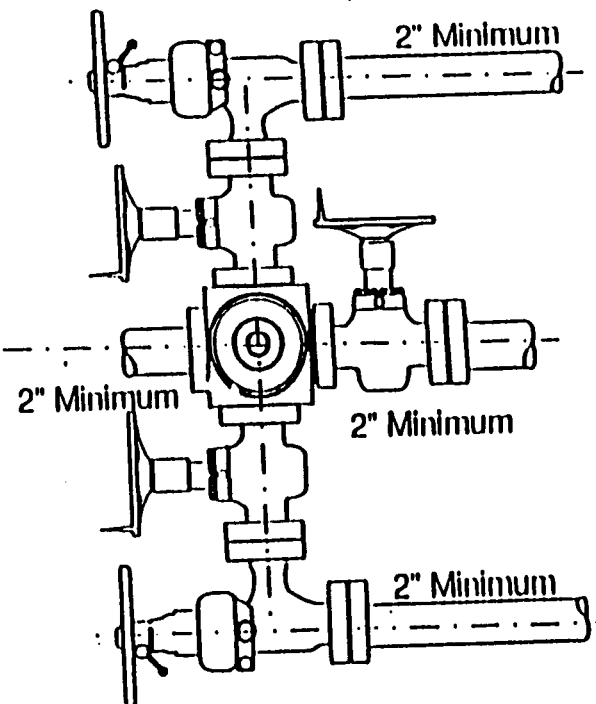
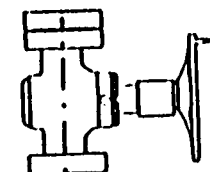
Ramtype BOP

_____ Rams x _____ = _____

= _____ Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher
increment of 10 gal. would require
_____ Gal. (total fluid & nitro volume)



2" Minimum

2" Minimum

2" Minimum

2" Minimum

8/29/97
10992d

CULTURAL RESOURCE EVALUATION OF THE ASHLEY UNIT, SOUTH WELLS DRAW UNIT & SOUTH PLEASANT VALLEY UNIT LEASE AREAS IN THE WELLS DRAW & PLEASANT VALLEY LOCALITIES IN DUCHESNE COUNTY, UTAH

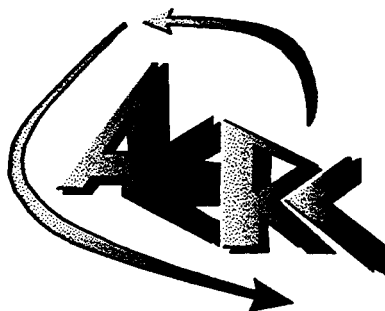
Report Prepared for Inland Production Company

Department of Interior Permit No.: UT-97-54937

Utah State Project No.: UT-97-AF-0722b,s

AERC Project 1592 (IPC-97-5A)

Authors of the Report:
F. Richard Hauck & Glade Hadden



ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668

Fax: (801) 292-0614

ari@xmission.com

December 29, 1997

98-062

Abstract

An intensive cultural resource examination has been conducted for Inland Production Company of potential well pads in three block survey areas and 14 surveyed well locations and associated access routes and pipeline corridors in the Wells Draw and South Pleasant Valley localities of Duchesne County, Utah (see Maps 1 through 5). The purpose of this report is to detail the result of this evaluation. A total of 1,318.62 acres was examined for cultural resource presence. All the proposed development areas associated with these well locations are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah, or, on Utah State Lands administered by the State Division of School Trust Lands. This evaluation involves 1,318.62 acres within Inland Production Company's Ashley, South Wells Draw, and South Pleasant Valley Units. Field examinations were on various dates in November and December, 1997, prior to being postponed until Spring 1998 due to adverse weather conditions. AERC archaeologists F.R. Hauck, Glade Hadden, Kris Kunkel, Marcel Corbeil, and Donna Daniels accompanied by archaeologists Kathie Davies and Richard Francisco conducted the field survey program. This report represents phase one of the project (U97-AF-0722b,s), and entails only those portions of the project area evaluated during the fall which did not contain archaeological resources (see Maps 2 through 5). The remaining acreage included in the project, along with those parcels inventoried during this phase in which cultural sites were found, will be reported in the spring of 1998 (IPC-97-5B).

No previously recorded significant or National Register eligible cultural resources will be adversely affected by well location development and access/pipeline route corridor development within the acreage cleared and reported within this document.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

Table of Contents

	page
Abstract	ii
Table of Contents	iii
List of Maps of the Project Area	iv
General Information	1
Project Location	1
Environmental Description	8
Previous Research in the Locality	9
File Search	9
Prehistory and History of the Project Area	9
Site Potential in the Project Development Zone	10
Field Evaluations	10
Methodology	10
Site Significance Criteria	11
Results of the Inventory	12
Conclusion and Recommendations	12
References	13

List of Maps

	page
Map 1: Project Area for the Inland 1997-1998 Development Program . . .	2
Map 2: Cultural Resource Survey of Inland Locations in the Ashley Unit of Duchesne County, Utah . . .	3
Map 3: Cultural Resource Survey of Bulk Acreage Locations in the South Wells Draw Unit of Duchesne County, Utah . . .	4
Map 4: Cultural Resource Survey of Bulk Acreage Location in the South Pleasant Valley Unit of Duchesne County, Utah . . .	5
Map 5: Cultural Resource Survey of Bulk Acreage Locations in the South Pleasant Valley Unit of Duchesne County, Utah . . .	6

GENERAL INFORMATION

On various dates in November and December, 1997, AERC archaeologists F.R. Hauck, Glade Hadden, Kris Kunkel, Marcel Corbeil, and Donna Daniels accompanied by archaeologists Kathie Davies and Richard Francisco conducted intensive cultural resource evaluations within three block survey areas including an additional 14 surveyed well locations and associated access routes and pipeline corridors in the Wells Draw and South Pleasant Valley localities of Duchesne County, Utah (see Maps 1 through 5). A total of 1,318.62 acres was examined for cultural resource presence prior to the onset of winter. Project completion, including the recording of cultural resource sites and isolated finds, has thus been postponed until late Winter or early Spring 1998 when snow-cover has dissipated. The purpose of this report is to detail the result of this initial evaluation. Maps 2 through 5 show the ten and forty acre parcel locations of identified cultural resources in red. The final report for this project, to be released in the Spring of 1998, will document these resources. Hence, this preliminary report is provided to enable clearance of the parcels that lack cultural resource presence so that Inland Production Company can successfully conduct its drilling program through these interim winter months. ✓

All the proposed development areas associated with these survey locations are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah, or on Utah State Lands administered by the Utah State Division of School Trust Lands in Salt Lake City, Utah.

The purpose of this field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf. Title 36 CFR 60.6). The future development of these bulk acreage parcels and/or proposed well locations and associated access routes and pipeline corridors requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the Utah State Antiquities Section.

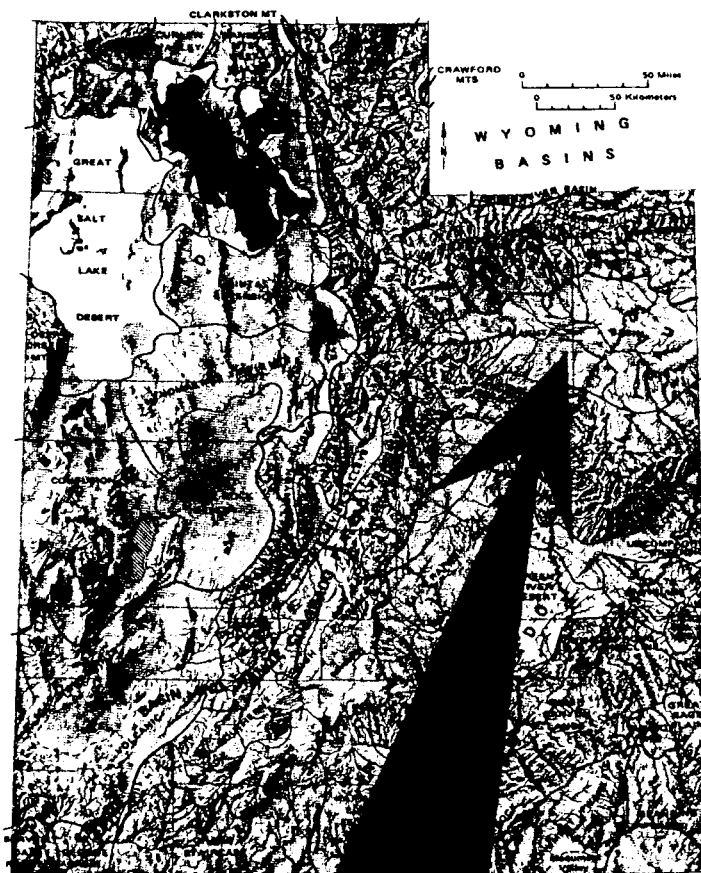
Project Location

The project is located in the Wells Draw and Pleasant Valley localities of Duchesne County, Utah. The various project areas are situated on the Myton SW, Myton SE and Pariette Draw SW 7.5 minute quads. The inventoried areas and surveyed well locations and acreages are located as follows:

MAP 1
PROJECT AREA FOR THE INLAND
1997-1998 DEVELOPMENT
PROGRAM



PROJECT: IPC-97-5A
SCALE: 1: 200,650
DATE: 12/ 23/ 97



PROJECT AREA

TOWNSHIP: multiple
RANGE: multiple
MERIDIAN: multiple

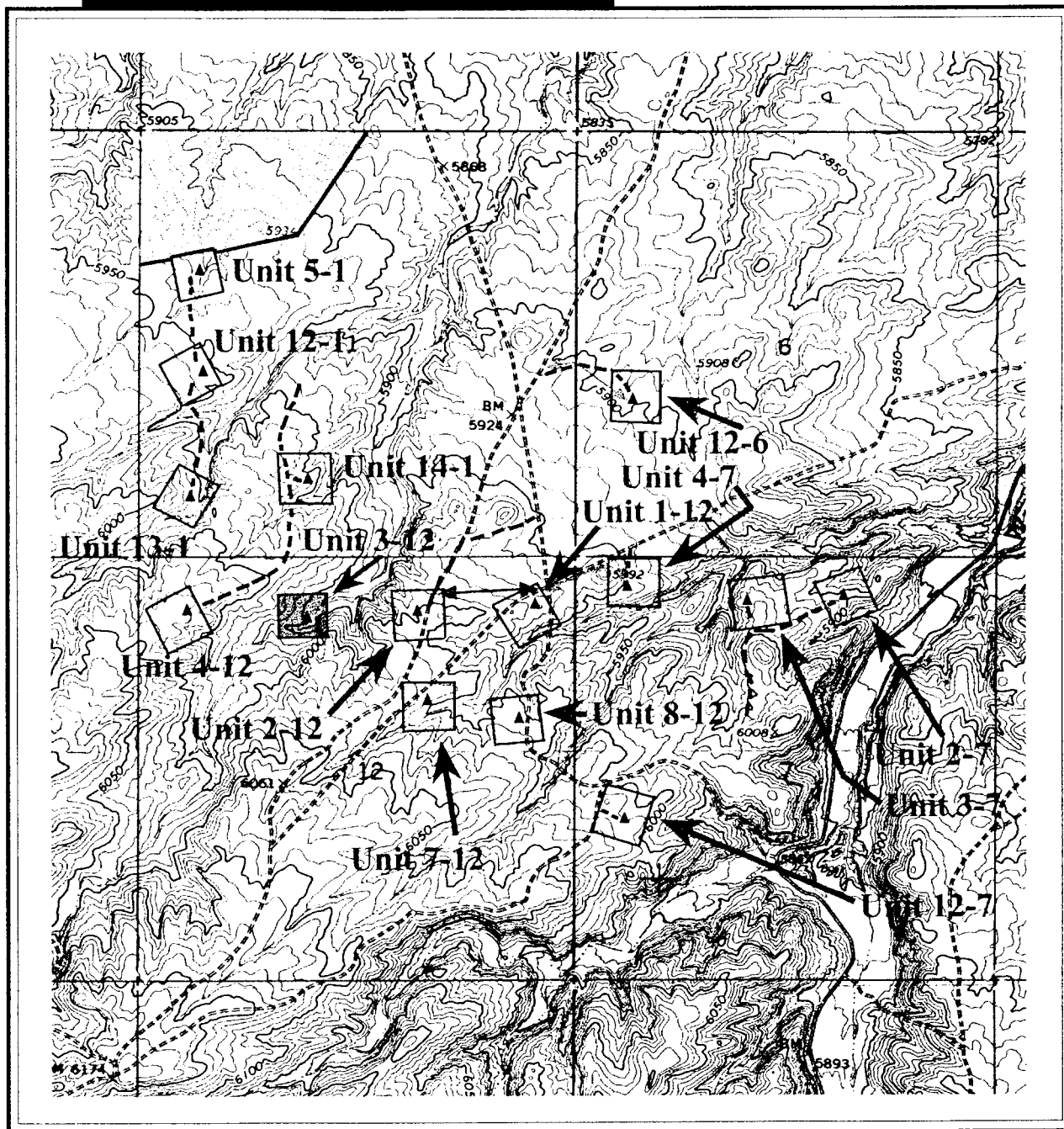
Utah Geological and Mineral Survey
 Map 43 1977

Physiographic Subdivisions of Utah
 by W.L. Stokes

**MAP 2:
CULTURAL RESOURCE SURVEY
OF INLAND LOCATIONS IN THE
ASHLEY UNIT OF DUCHESNE
COUNTY, UTAH**



PROJECT: IPC97-5A
SCALE: 1:24,000
QUAD: Myton, SW
DATE: 12-29-97



TOWNSHIP: 9 South
RANGE: 15 & 16 East
MERIDIAN: SL B. & M.

LEGEND

□ 10 ACRE
SURVEY
AREA
▲ WELL
LOCATION

— ACCESS
ROUTE

BULK
ACREAGE
SURVEY

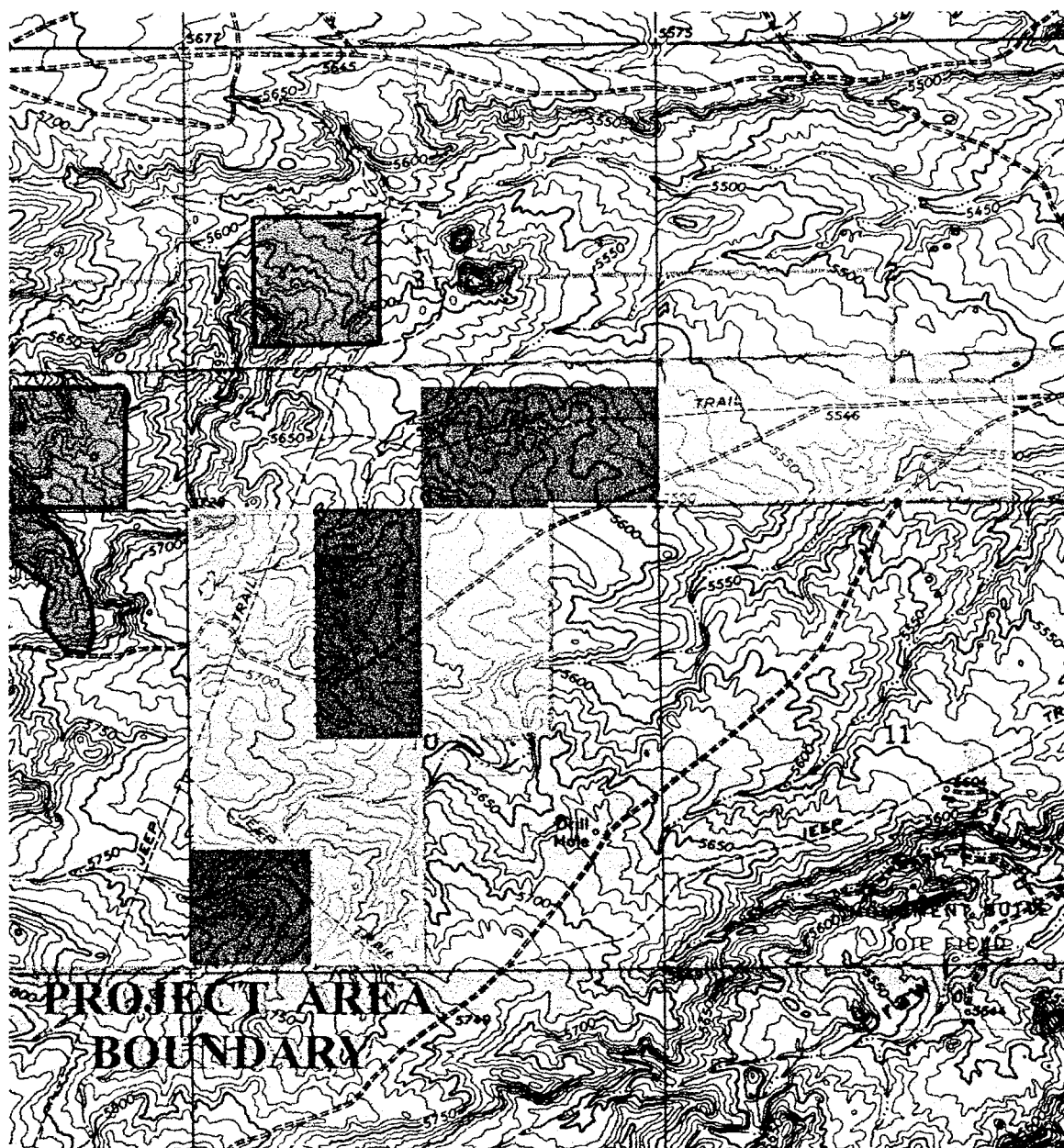
↗ PIPELINE
CORRIDOR

■ CULTURAL RESOURCE
PRESENCE - TO BE
REPORTED IN SPRING '98

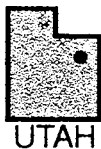
**MAP 3:
CULTURAL RESOURCE SURVEY
OF BULK ACREAGE LOCATIONS
IN THE SOUTH WELLS DRAW UNIT
OF DUCHESNE COUNTY, UTAH**






PROJECT: IPC97-5A
SCALE: 1:24,000
QUAD: Myton SE
DATE: 12-29-97



LEGEND



TOWNSHIP: 9 South
RANGE: 16 East
MERIDIAN: SL B. & M.

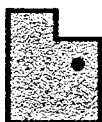
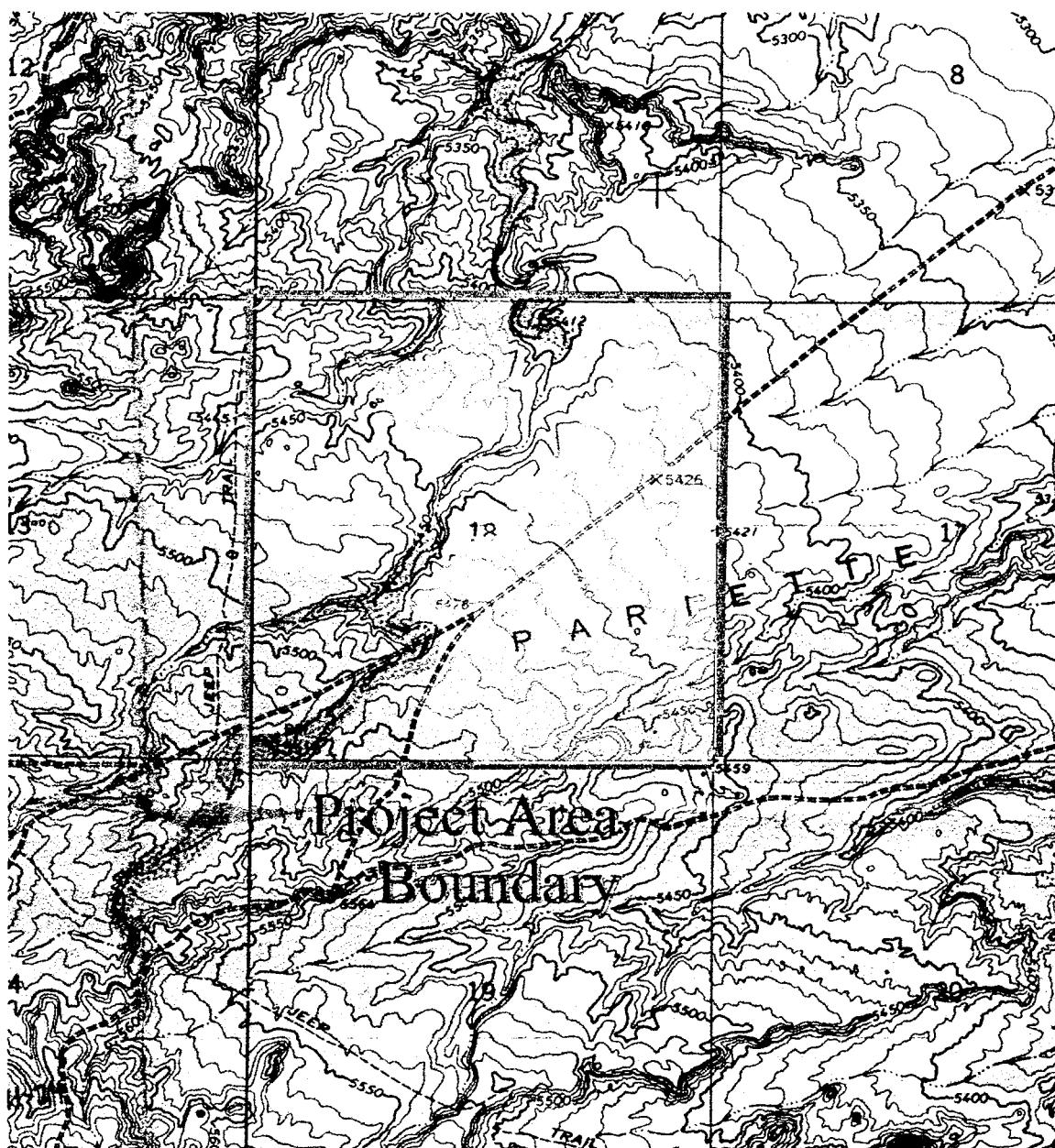
-  BULK ACREAGE SURVEY DISCUSSED IN THIS REPORT
-  SURVEY AREA DISCUSSED IN EARLIER REPORTS
-  PRESENT SURVEY AREA CONTAINING CULTURAL RESOURCES – TO BE REPORTED IN SPRING '98



**MAP 4:
CULTURAL RESOURCE SURVEY
OF BULK ACREAGE LOCATION
IN THE SOUTH PLEASANT VALLEY
UNIT OF DUCHESNE COUNTY, UTAH**



PROJECT: IPC97-5A
SCALE: 1:24,000
QUAD: Myton SE
DATE: 12-29-97



UTAH

TOWNSHIP: 9 South
RANGE: 1647 East
MERIDIAN: SL B. & M.

LEGEND

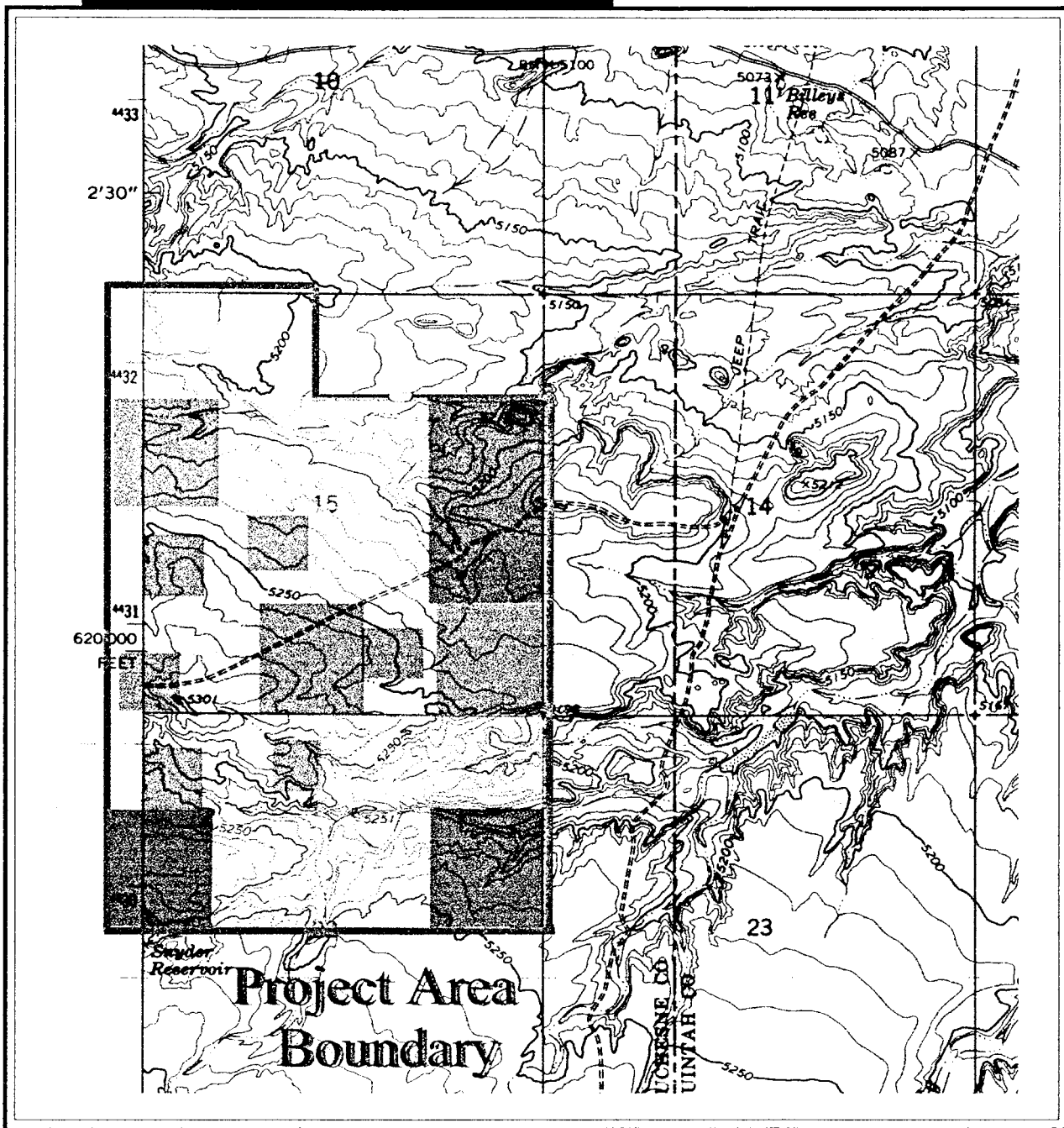


**BULK ACREAGE SURVEY
DISCUSSED IN THIS REPORT**

**MAP 5:
CULTURAL RESOURCE SURVEY
OF BULK ACREAGE LOCATIONS
IN THE SOUTH PLEASANT VALLEY
UNIT OF DUCHESNE COUNTY, UTAH**



PROJECT: IPC97-5A
SCALE: 1:24,000
QUAD: Pariette Draw, SW
DATE: 12-29-97



LEGEND



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

- BULK ACREAGE SURVEY DISCUSSED IN THIS REPORT
- SURVEY AREA DISCUSSED IN EARLIER REPORTS
- PRESENT SURVEY AREA CONTAINING CULTURAL RESOURCES - TO BE REPORTED IN SPRING '98

Ashley Unit (see Map 2)

Proposed Ashley location # 5-1 is located in the SW 1/4 of the NW 1/4 of Section 1, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 12-1 is located in the NW 1/4 of the SW 1/4 of Section 1, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 13-1 is located in the SW 1/4 of the SW 1/4 of Section 1, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 14-1 is located in the SE 1/4 of the SW 1/4 of Section 1, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 1-12 is located in the NE 1/4 of the NE 1/4 of Section 12, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 2-12 is located in the NW 1/4 of the NE 1/4 of Section 12, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 4-12 is located in the NW 1/4 of the NE 1/4 of Section 12, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 7-12 is located in the SW 1/4 of the NE 1/4 of Section 12, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 8-12 is located in the SE 1/4 of the NE 1/4 of Section 12, Township 9 South, Range 15 E, SLB&M.

Proposed Ashley location # 12-6 is located in the NW 1/4 of the SW 1/4 of Section 6, Township 9 South, Range 16 E, SLB&M.

Proposed Ashley location # 2-7 is located in the NW 1/4 of the NE 1/4 of Section 7, Township 9 South, Range 16 E, SLB&M.

Proposed Ashley location # 3-7 is located in the NE 1/4 of the NW 1/4 of Section 7, Township 9 South, Range 16 E, SLB&M.

Proposed Ashley location # 4-7 is located in the NW 1/4 of the NW 1/4 of Section 7, Township 9 South, Range 16 E, SLB&M.

Proposed Ashley location # 12-7 is located in the NW 1/4 of the SW 1/4 of Section 7, Township 9 South, Range 16 E, SLB&M.

Along with the 14 ten-acre well pads described above, the following 100 foot-wide access routes, 50 foot-wide pipeline routes and 150 foot-wide combined access/pipeline routes were surveyed; 2,640 feet (9.1 acres) of combined access route/pipeline corridor associated with wells 5-1, 12-1 and 13-1; 3,960 feet (13.63 acres) of combined access route/pipeline corridor associated with wells 14-1 and 4-2; 1,320 foot (3.03 acres) of access route and 1200 feet (1.37 acres) of pipeline corridor associated with well 2-12; 1,200 feet (2.75 acres) of access route and 700 feet (.80 acres) of pipeline corridor associated with well 12-6; 1,700 feet (5.85 acres) of combined access route/pipeline corridor associated with well 4-7; 2,640 feet (9.09 acres) of combined access route/pipeline corridor associated with wells 2-7 and 3-7.

In addition to the above well pads, a single 75-acre block was inventoried in Section 1 consisting of the N 1/2 of the NW 1/4 of that section which covers potential well locations 3-1 and

4-1. The Ashley Unit evaluations include 140 acres of surveyed well pads, 5.78 acres of 100 foot-wide access routes, 2.18 acres of 50 foot-wide pipeline corridors, 37.66 acres of 150 foot-wide combined access route/pipeline corridor and a 75 acre block for a total of 260.62 acres.

South Wells Draw Unit (see Map 3)

The South Wells Draw inventory included block survey of the following areas:

The South $\frac{1}{2}$ of the SW $\frac{1}{4}$ and the SE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 2, Township 9 S., Range 16 E., SLB&M which covers the potential well locations 13-2, 14-2 and 15-2 for a total of 120 acres.

The W $\frac{1}{2}$ of the NE $\frac{1}{4}$, the W $\frac{1}{2}$ of the NW $\frac{1}{4}$, the E $\frac{1}{2}$ of the SW $\frac{1}{4}$ and the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 10, Township 9 S., Range 16 E., SLB&M which covers potential well units 2-10, 4-10, 5-10, 7-10, 11-10, 12-10 and 14-10 for a total of 280 acres.

South Pleasant Valley Units (see Maps 4 and 5)

The South Pleasant Valley inventory included block survey of the following areas:

In Section 18, Township 9 S., Range 17 E., SLB&M (see Map 4), an irregular area mostly contained in the East $\frac{1}{2}$ of the section, and including portions of the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$, the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ and the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$, all of which include potential well units 1-18, 3-18, 7-18, 8-18, 9-18, 10-18, 11-18, 14-18, 15-18 and 16-18 for a total of some 348 acres.

In Section 15, Township 9 S., Range 17 E., SLB&M, (see Map 5) the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$, the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$, the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$ and the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$, covering potential well units 4-15, 6-15, 7-15 and 10-15 for a total of 160 acres.

In Section 22, Township 9 S., Range 17 E., SLB&M, (see Map 5) the N $\frac{1}{2}$ of the NE $\frac{1}{4}$, the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$ and the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$, covering potential well units 1-22, 2-22, 6-22 and 7-22 for a total of 160 acres.

The total acreage inventoried for this project includes some 1,328.62 acres.

Environmental Description

The project area is within the 5200 to 6000 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes rabbit brush (*Chrysothamnus spp.*), sagebrush (*Artemisia spp.*), Winterfat (*Ceratoides lanata*) greasewood (*Sarcobatus spp.*), Sulphurflower Buckwheat (*Eriogonum umbellatum*) Mormon tea (*Ephedra viridis*), Halogeton, Mountain Mahogany (*Cercocarpus spp.*), saltbush (*Atriplex canescens*), and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uintah Formation of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 6, 1997 in association with the primary project as requested by Inland Production Company. A similar search was conducted in the Vernal District Office of the BLM on November 10, 1997. The National Register of Historic Places was consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the general Wells Draw locality. Many of these prehistoric resources were identified and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995). Specific inventories within the current project areas include block surveys by Sagebrush Archaeology (93SJ-0720, 95SJ-0638) and the BLM Tar Sands survey Project (86BL-0051). In certain cases, previous surveys within an Inland bulk survey area are shown in blue on Maps 3 through 5.

Prehistory of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - 300 A.D.), and Formative (ca. A.D. 400 - 1100) stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern Period which was initiated with the incursion of the Euro-American trappers, explorers and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see *Archaeological Evaluations in the Northern Colorado Plateau Cultural Area* (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places. The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "tap and test" variety, and extend for tens of hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numic) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e. Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits. In the Wells Draw and Castle Peak Draw localities, site density appears to be very high, especially in areas near water sources.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 15 to 20 meter-wide transects within the ten acre parcels associated with the surveyed well locations and along the staked and flagged 50 foot-wide pipeline corridors, 100 foot-wide access routes and the 150 foot-wide combined roadway and pipeline corridors centered on the various flagged centerlines as shown on Map 2. Thus, 140 acres associated with the well pads and ca. 45.62 acres associated with the access route/pipeline corridors were inventoried relative to this project. In addition to the staked well pads and corridors, some 1,143 acres were inventoried in block surveys. Evaluations of these blocks consisted of the archaeologists walking a series of 15 to 20 meter-wide transects across the selected areas. A total of some 1,328.62 acres was evaluated during this project.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Due to the on-set of winter conditions, the recording of archaeological sites identified during these evaluations has been postponed for several months. Maps 2 through 5 show the ten and forty acre parcel

locations of these cultural resources in red. The final report for this project, to be released in the Spring of 1998, will document these resources. Hence, this preliminary report is provided to enable clearance of the parcels that lack cultural resource presence so that Inland Production Company can successfully conduct its drilling program through these interim winter months.

In certain instances, the cultural sites are evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. of North Salem, New Hampshire). GPR was not used during this initial project phase but may be employed in the Spring of 1998 to facilitate the significance assessments of certain cultural sites.

Following these field analyses, cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are developed by the Principal Investigator in consultation with both the client and relevant governmental agencies as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American . . . archaeology . . . and culture is present in . . . sites . . . that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction . . . ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Register of Historic Places.

Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations of the bulk acreage parcels shown in yellow on Maps 3, 4, and 5, nor within the proposed well locations and associated roadway and pipeline corridors shown on Map 2 (with the exception of the red ten acre parcel which will be reported by AERC in the future)..

No previously identified and recorded significant National Register eligible sites were noted during the survey being reported in this document.

No paleontological loci were observed during the survey. A paleontological report will be appended to the final AERC report for this project.

No diagnostic isolated artifacts were observed and recorded during the evaluations.

CONCLUSION AND RECOMMENDATIONS

No known cultural resources will be adversely impacted during the development and operation of Inland Production Company's Ashley, South Wells Draw and S. Pleasant Valley well locations and their respective access routes as shown in clear on Map 2 and in yellow within the additional bulk acreage survey areas identified in Maps 2 through 5 in this document.

AERC recommends that a cultural resource clearance be granted to Inland Production Company relative to the development of these proposed locations and bulk acreage parcels based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones, to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator

References

Fike, Richard E. and H. Blaine Phillips

- 1984 *A Nineteenth Century Ute Burial from Northeastern Utah*, Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report prepared for Diamond Shamrock, DS-82-5, Archeological-Environmental Research Corporation, Bountiful.
- 1984a "Excavation" (in) *A Nineteenth Century Ute Burial From Northeast Utah*, Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, **AERC Paper No.45**, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-9204, Archeological-Environmental Research Corporation, Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.

- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996a Cultural Resource Evaluation of Four Proposed Well Locations and Access Routes in the Castle Peak Draw Locality - Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8A, Archeological-Environmental Research Corporation, Bountiful.
- 1996b Cultural Resource Evaluation of 13 Proposed Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah and Duchesne Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-8B, Archeological-Environmental Research Corporation, Bountiful.
- 1996c Cultural Resource Evaluation of Two Proposed Well Locations in the Castle Peak Draw Locality - Big Wash Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-8C, Archeological-Environmental Research Corporation, Bountiful.
- 1996d Cultural Resource Evaluation of Two Proposed Well Locations and Access Routes in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-96-1, Archeological-Environmental Research Corporation, Bountiful.

- 1996e Cultural Resource Evaluation of Three Proposed Pipeline Corridor Complexes in the Castle Peak Draw - Pariette Bench Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996f Cultural Resource Evaluation of Four Proposed Well Locations with Associated Access Road and Pipeline Corridor Complexes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Inland Production Company, IPC-96-1, Archeological-Environmental Research Corporation, Bountiful.
- 1996g Cultural Resource Evaluation of Ten Proposed Well Locations with Associated Road Complexes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Inland Production Company, IPC-96-2, Archeological-Environmental Research Corporation, Bountiful.
- 1997a Cultural Resource Evaluation of Seven Proposed Well Locations With Associated Road Corridors in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Inland Production Company, IPC-97-1, Archeological-Environmental Research Corporation, Bountiful.
- 1997b Cultural Resource Evaluation of Proposed North Ashley Unit No. 7-1 in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Inland Production Company, IPC-97-1A, Archeological-Environmental Research Corporation, Bountiful.
- 1997c Cultural Resource Evaluation of Proposed Ashley Federal Units 6-1 and 11-1 in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Inland Production Company, IPC-97-3, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archeological-Environmental Research Corporation, Bountiful.

- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3, Archeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-10, Archeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routed in the Castle Draw Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-10b, Archeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-11, Archeological-Environmental Research Corporation, Bountiful.
- 1995a Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-1 & 2, Archeological-Environmental Research Corporation, Bountiful.

1995b Cultural Resource Evaluation of Nine Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-5, Archeological-Environmental Research Corporation, Bountiful.

1995c Cultural Resource Evaluation of a Series of Proposed Water Return Pipeline Routes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-7, Archeological-Environmental Research Company, Bountiful.

1997 Cultural Resource Evaluation of the Ashley Unit, South Wells Draw Unit and South Pleasant Valley Unit Lease Areas in the Wells Draw & Pleasant Valley Localities in Duchesne County, Utah Report prepared for Inland Production Company, IPC-97-5A, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and G. Norman

1980 Final Report on the Mapco River Bend Cultural Mitigation Study, AERC Paper No. 18 of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and Dennis Weder

1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42 of the Archeological-Environmental Research Corporation, Bountiful.

Stokes, W.L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake City.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/09/2000

API NO. ASSIGNED: 43-013-31932

WELL NAME: MONUMENT BUTTE ST 15-2-9-16
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:

SWSE 02 090S 160E
SURFACE: 0778 FSL 1996 FEL
BOTTOM: 0778 FSL 1996 FEL
DUCHESNE
MONUMENT BUTTE (105)

LEASE TYPE: 3-state
LEASE NUMBER: ML-21839
SURFACE OWNER: 3-state

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	<i>RSK</i>	<i>3-16-00</i>
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. RN4471291)
N Potash (Y/N)
N Oil Shale (Y/N) *190 - 5 (B)
☒ Water Permit
(No. MUNICIPAL)
N RDCC Review (Y/N)
(Date: _____)
N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

✓ R649-2-3. Unit _____
✓ R649-3-2. General
Siting: _____
R649-3-3. Exception
Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
R649-3-11. Directional Drill

COMMENTS: Need Presite. (Conducted 3-3-00)

STIPULATIONS: ① STATEMENT OF BASIS

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: Inland Production Company
Name & Number: Monument Butte State #15-2-9-16
API Number: 43-013-31932
Location: 1/4, 1/4 SW/SE Sec. 2 T. 9S R. 16E

Geology/Ground Water:

Inland has proposed setting 300 feet of surface casing at this location. A search of records from the Division of Water Rights shows no water wells within 10,000 feet of the center of section 2. Several surface water diversions are indicated but are over a mile from the proposed location. The depth to the moderately saline water is estimated to be approximately 500 feet. The proposed casing should be adequate to protect ground water at this location.

Reviewer: Brad Hill
Date: 03/15/00

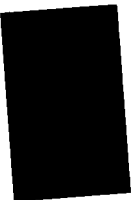
Surface:

A presite investigation of the surface area was done by the Roosevelt Field Office personal on March 3, 2000. State Lands (SITLA) and the Division of Wildlife Resources were both notified regarding the date and time of this onsite meeting, neither agency attended. The access road running along northern portion of location will have to be re-routed to the north to allow for construction of the reserve pit. A culvert will need to be installed along the eastern access road into location to protect existing sales and residue pipelines, that presently run north and south. No other problems were observed or discussed at the onsite meeting.

Reviewer: Dennis L. Ingram
Date: 03/06/2000

Conditions of Approval/Application for Permit to Drill:

1. If blasting is utilized to build reserve pit a 12 mil liner must be properly installed.
(Adjacent dry wash possibly has subsurface water and fracturing from blasting could cause contamination of same)





COUNTY: DUCHESNE UNIT: NONE



ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Inland Production Company
WELL NAME & NUMBER: Monument Butte State #15-2-9-16
API NUMBER: 43-013-31932
LEASE: ML-21839 FIELD/UNIT: Monument Butte
LOCATION: 1/4, 1/4 SW/SE Sec: 2 TWP: 9S RNG: 16E 778' FSL 1996' FEL
LEGAL WELL SITING: 460F SEC. LINE; 460F 1/4, 1/4 LINE; 920F ANOTHER WELL.
GPS COORD (UTM): 12 578134E; 4434234N
SURFACE OWNER: STATE LANDS (SITLA)

PARTICIPANTS

Brad Mecham (Inland Production Company); Dennis L. Ingram (DOGM)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Location is set on northern bench of dry wash in table-top type habitat just north of the southwest/northeastern Castle Peak Draw Drainage System, south of Pleasant Valley. The dry wash immediately south of proposed location drains eastward into this system.

SURFACE USE PLAN

CURRENT SURFACE USE: livestock grazing and wildlife use.

PROPOSED SURFACE DISTURBANCE: Propose 315'x 182' with access from East on existing road. (Location has existing road to east and north) The northern existing road will have to be re-routed to accommodate location approximately 20 plus feet.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS data base

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production Facilities shall be located on location. Sales and residue will be joined at location entrance to east with existing pipeline.

SOURCE OF CONSTRUCTION MATERIAL: Cut and fill or borrowed material

ANCILLARY FACILITIES: None required.

WASTE MANAGEMENT PLAN:

Submitted to DOGM with application to drill

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: N/A

FLORA/FAUNA: Desert flora typical of region, shadscale, prickly pear Cactus, native grasses, Fauna also typical, antelope, deer, coyote, fox, rabbit, birds of prey (owl, hawk, eagle), other birds, potential plover habitat, smaller mammals and insects.

SOIL TYPE AND CHARACTERISTICS: tan to light brown fine-grained sandy loam.

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation of Upper Eocene age

EROSION/SEDIMENTATION/STABILITY: Some erosion, minor sedimentation, no stability problems anticipated from construction of location.

PALEONTOLOGICAL POTENTIAL: None observed during onsite visit

RESERVE PIT

CHARACTERISTICS: built on north side of location, uphill and in cut with prevailing winds from the west @ 50'x 80'x 10' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 15 points. No liner required

SURFACE RESTORATION/RECLAMATION PLAN

According to State lands(SITLA) requirements at time of restoration.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Attached and submitted to DOGM with drilling application

OTHER OBSERVATIONS/COMMENTS

Dry wash location just south of location approximately 300 feet deep. East/west road located on northern portion of location. Existing residue and sales pipelines between location and access road into lease (located on surface).

ATTACHMENTS:

Photographs will be placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

03/03/00 8:45 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score (Level II Sensitivity)		<u>15</u>





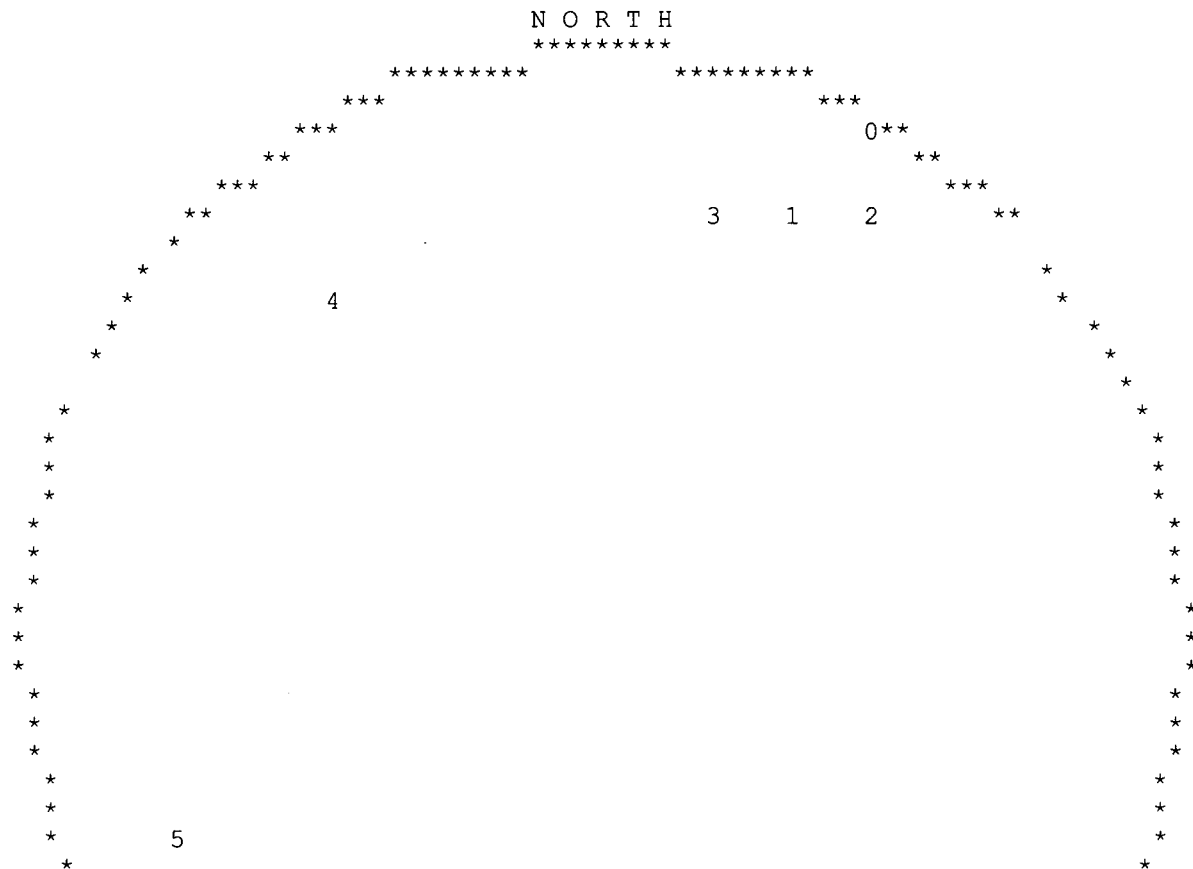


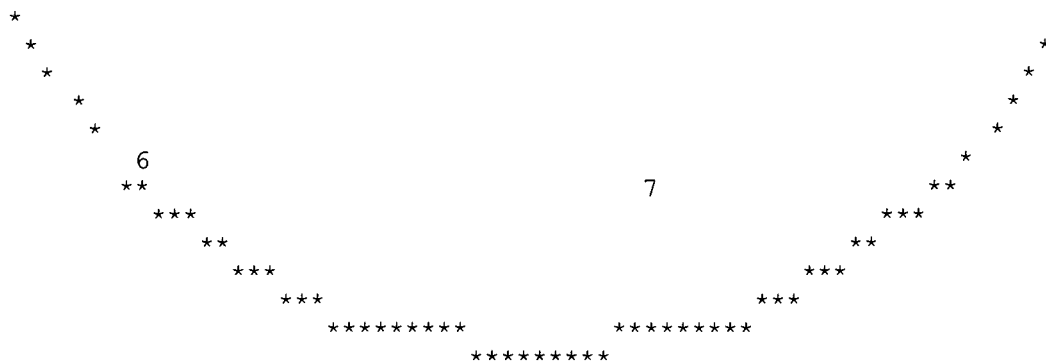


UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, MAR 15, 2000, 10:21 AM
PLOT SHOWS LOCATION OF 8 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 2 TOWNSHIP 9S RANGE 16E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	CFS	QUANTITY AND/OR	AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER DEPTH YEAR LOG NORTH EAST	POINT OF DIVERSION DESCRIPTION CNR SEC TWN RNG B&M
0	47 1298	.0000		.00	Pariette Draw Creek	
			WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
			USA Bureau of Land Management			Salt Lake City
1	47 1131	.0000		.00	Pariette Creek	
			WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
			State of Utah School & Institutional Tru 675 East 500 South, 5th Floor			Salt Lake City
2	47 1131	.0000		.00	Pariette Creek	
			WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
			State of Utah School & Institutional Tru 675 East 500 South, 5th Floor			Salt Lake City
3	47 1297	.0000		.00	Pariette Draw	
			WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/188
			USA Bureau of Land Management			Salt Lake City
4	47 1297	.0000		.00	Pariette Draw	

WATER USE(S): STOCKWATERING
USA Bureau of Land Management

2370 South 2300 West

PRIORITY DATE: 00/00/188
Salt Lake City

5 47 1597 .0000 .00 Unnamed Stream

WATER USE(S): STOCKWATERING
USA Bureau of Land Management

170 South 500 East

PRIORITY DATE: 00/00/188
Vernal

6 47 1770 .0000 1.50 Unnamed Stream

WATER USE(S): STOCKWATERING OTHER

USA Bureau of Land Management (Vernal Di 170 South 500 East

N 1100 E 1190 SW 10 9S 16E SL
PRIORITY DATE: 06/15/198
Vernal

7 47 1596 .0000 .00 Pleasant Valley Creek

WATER USE(S): STOCKWATERING
USA Bureau of Land Management

170 South 500 East

PRIORITY DATE: 00/00/188
Vernal

Well name:

3-00 Inland WDU #15-2-9-16Operator: **Inland**String type: **Surface**

Project ID:

43-013-31932

Location: **Duchesne Co.****Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 79 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 300 ft

Cement top: 1 ft

BurstMax anticipated surface
pressure: -2,574 psi

Internal gradient: 9.018 psi/ft

Calculated BHP 131 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 262 ft

Re subsequent strings:

Next setting depth: 300 ft

Next mud weight: 8.400 ppg

Next setting BHP: 131 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 300 ft

Injection pressure 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	131	1370	10.47	131	2950	22.54	6	244	38.79 J

Prepared RJK
by: Utah Dept. of Natural ResourcesDate: March 16,2000
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

3-00 Inland WDU #15-2-9-16Operator: **Inland**String type: **Production**

Project ID:

43-013-31932

Location: **Duchesne Co.****Design parameters:****Collapse**

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 166 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 300 ft

Cement top: 191 ft

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.433 psi/ft

Calculated BHP 2,813 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 5,681 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2813	4040	1.44	2813	4812	1.71	88	217	2.46 J

Prepared RJK
by: Utah Dept. of Natural Resources

Date: March 16,2000
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

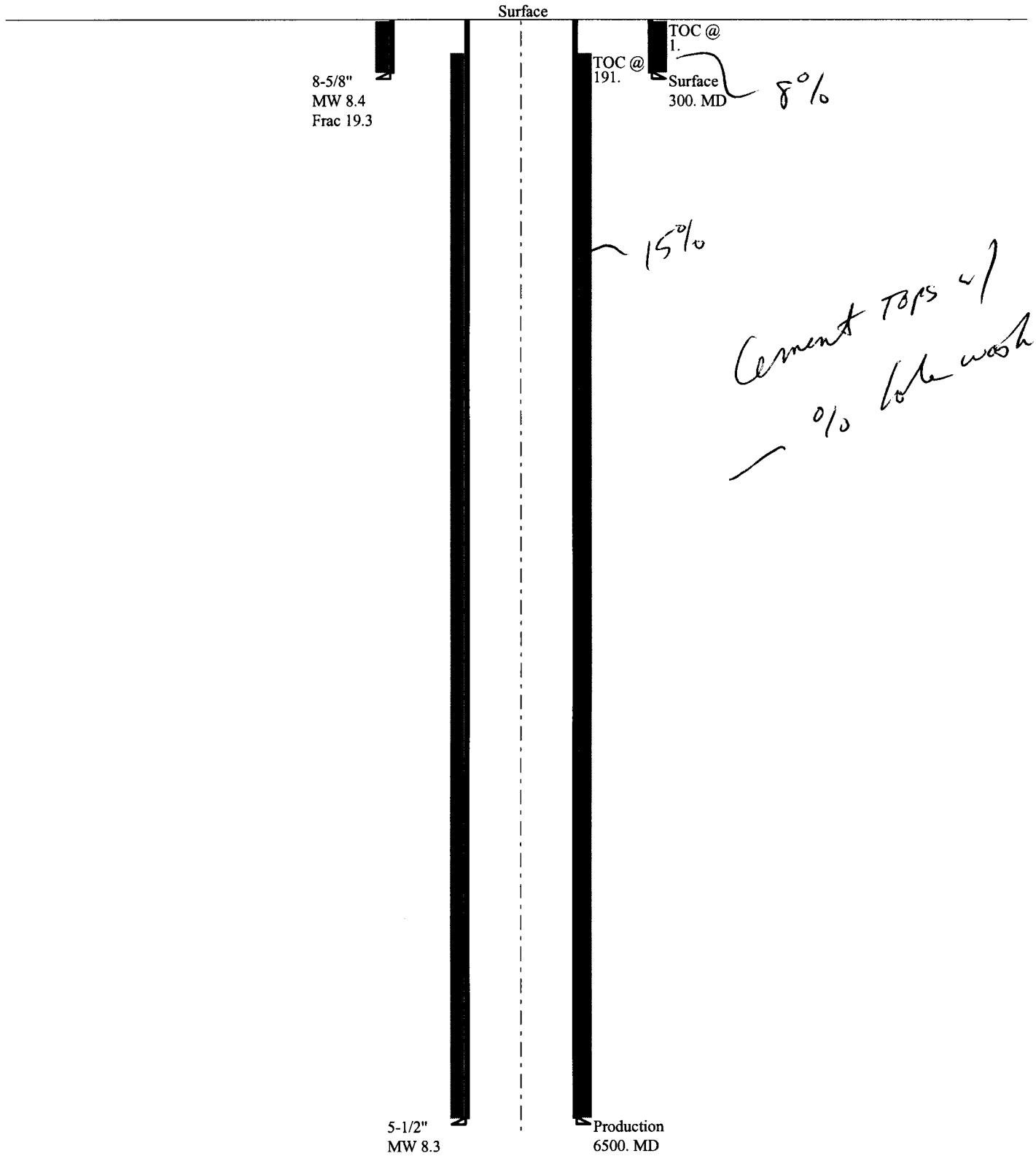
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. In addition, burst strength is biaxially adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

3-00 Inland WDU #15-2-9-16

Casing Schematic





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 16, 2000

Inland Production Company
410 17th Street, Suite 700
Denver, CO 80202

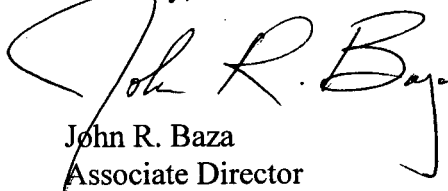
Re: Monument Butte State 15-2-9-16 Well, 778' FSL, 1996' FEL, SW SE, Sec.2, T. 9S,
R. 16E, Duchesne Co., Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31932.

Sincerely,



John R. Baza
Associate Director

al

Enclosures

cc: Duchesne County Assessor
Utah School and Institutional Trust Lands Administration

Operator: Inland Production Co

Well Name & Number: Monument Butte State 15-2-9-16

API Number: 43-013-31932

Lease: ML-21839

Location: SW SE **Sec.** 2 **T.** 9S **R.** 16E

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division of the following actions during drilling of this well:

- . 24 hours prior to cementing or testing casing
- . 24 hours prior to testing blowout prevention equipment
- . 24 hours prior to spudding the well
- . within 24 hours of any emergency changes made to the approved drilling program
- . prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- . Dan Jarvis at (801)538-5338
- . Robert Krueger at (801)538-5274 (plugging)
- . Carol Daniels at (801)538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY

Well Name: MONUMENT BUTTE ST 15-2-9-16

Api No. 43-013-31932 Lease Type: STATE

Section 02 Township 09S Range 16E County DUCHESNE

Drilling Contractor UNION DRILLING RIG # 14

SPUDDED:

Date 04/22/2000

Time 7:00 AM

How DRY

Drilling will commence

Reported by PAT WISENER

Telephone # 1-435-823-7468

Date: 04/24/2000 Signed: CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 5

OPERATOR INLAND PRODUCTION COMPANY
ADDRESS RT. 3 BOX 3630
KYTON, UT 84052

OPERATOR ACCT NO N5180

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12717	43-013-31932	Monument Butte State 15-2-9-16	SWSE	2	9S	16E	Duchesne	April 22, 2000	
WELL 1 COMMENTS Union rig #14 spud at 7 am <i>entity added.</i>											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 2 COMMENTS											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 3 COMMENTS											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 4 COMMENTS											
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
WELL 5 COMMENTS											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Cecil Mathison
Signature

Sr. Production Accounting Clerk April 25, 2000
Title Date



April 24, 2000

*State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801*

Dear Carol:

Please find enclosed Form 5, for the Monument Butte State 15-2-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

*PAT WISENER
Drilling Foreman*

Enclosures

pw

RECEIVED

APR 25 2000

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML - 21839	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		7. UNIT AGREEMENT NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 778' FSL & 1996' FEL SW/SE		8. FARM OR LEASE NAME Monument Butte State	
14 API NUMBER 43-013-31932		9. #15-2-9-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5527		10 FIELD AND POOL, OR WILDCAT Monument Butte	
		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 2, T9s, R16E	
		12 COUNTY OR PARISH Duchesne	13 STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Surface Spud</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU UNION RIG # 14. Set equipment. Drill mouse hole & rat hole. Spud well @ 7:00am on 4/22/00. Drill 17 1/4" hole and set 23' of 133/8" conductor. Nipple up cellar. Drill 12 1/4" hole with air mist to a depth of 345'. TIH w/ 85/8" J-55 24# csg. Landed @ 307.31 w/KB. Cement with *141sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Estimated 2 bbls cement to surface. WOC 4 hours. Break out & Nipple up BOP's. Pressure test Kelly, TIW, Choke manifold, & BOP's TO 2000 psi. Test 85/8" CSG. TO 1500 PSI. ALL TESTED GOOD. Utah DOGM & Vernal District BLM notified by phone.

18 I hereby certify that the foregoing is true and correct
SIGNED Pat W. Jensen TITLE Drilling Foreman DATE 04/24/2000

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED

APR 25 2000

DIVISION OF
OIL, GAS AND MINING

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 307.31

LAST CASING _____ SET AT _____
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 345 LOGGER _____
 HOLE SIZE 12 1/4"

OPERATOR INLAND PRODUCTION COMPANY
 WELL Monument Butte Sate 15-2-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # UNION RIG 14

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					12.4
		WHI " 92 " CSG HEAD			8rd	A	0.95
7	8 5/8"	Maverick SC&T CSG	24 #	J-55	8rd	A	295.46
		SHOE - GUIDE			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	309.71
TOTAL LENGTH OF STRING	309.71	7	LESS CUT OFF PIECE	12.4
LESS NON CSG. ITEMS	14.25		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	0	0	CASING SET DEPTH	307.31

TOTAL	295.46	7	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	295.46	7		
TIMING	1ST STAGE			
BEGIN RUN CSG.	4:45pm		GOOD CIRC THRU JOB	<u>YES</u>
CSG. IN HOLE	5:15pm		Bbls CMT CIRC TO SURFACE	<u>2 BBLS-</u>
BEGIN CIRC	5:34pm		RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE	
BEGIN PUMP CMT	5:45pm		DID BACK PRES. VALVE HOLD ?	<u>N/A</u>
BEGIN DSPL. CMT	5:55pm		BUMPED PLUG TO _____ 110 _____ PSI	
PLUG DOWN	6:00pm			

CEMENT USED		CEMENT COMPANY- <u>BJ</u>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	141	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield
2		

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
1 on middle of first JT, 1 on collar of the second & third JT. TOTAL 3	

RECEIVED
 APR 25 2000
 DIVISION OF
 OIL, GAS AND MINING

COMPANY REPRESENTATIVE Gary Dietz DATE 04/22/2000



May 1, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol:

Please find enclosed Form 5, for South Wells Draw 11-2-9-16. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER
Drilling Foreman

Enclosures

pw

RECEIVED

MAY 02 2000

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.) OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML - 21839	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		7. UNIT AGREEMENT NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 778' FSL & 1996' FEL SW/SE		8. FARM OR LEASE NAME Monument Butte State	
14 API NUMBER 43-013-31932		9. #15-2-9-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5527		10. FIELD AND POOL, OR WILDCAT Monument Butte	
12. COUNTY OR PARISH Duchesne		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 2, T9s, R16E	
13. STATE UT			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Weekly Status</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drill a 7 7/8" hole to a depth of 3744' with air mist system. TOH with drill string & BHA. PU & MU bit#4, MM, drill string.
Drill a 7 7/8" hole to a depth of 5821' with water based mud. Lay down drill string, BHA. Open hole log. PU & MU 136 JT's 4 1/2" 11.6# J-55 CSG. Set @ 5808.5 KB. Cement with *350 sks Prem Lite II w/ 10% GEL. & 3% KCL mixed @ 11.0ppg>3.43YLD. *500 sks 50/50 POZ w/ 2% GEL. & 3% KCL mixed @ 14.4ppg>1.24YLD. Good circulation & returns with 15 bbls dye to surface. Plug down @ 1:10 am on 4/29/00.
Nipple down BOP's. Drop slips with 55,000#. Release rig @ 4:30 am on 4/29/00. WOC

18 I hereby certify that the foregoing is true and correct			
SIGNED <u>Katharine</u>	TITLE <u>Drilling Foreman</u>	DATE <u>05/01/2000</u>	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
CONDITIONS OF APPROVAL, IF ANY:			

* See Instructions On Reverse Side

RECEIVED

MAY 02 2000

DIVISION OF
OIL, GAS AND MINING

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

4 1/2" CASING SET 5808.47

LAST CASING 8 5/8" SET AT 307.31
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 5813 LOGGER 5821
 HOLE SIZE 7 7/8"

OPERATOR INLAND PRODUCTION COMPANY
 WELL Monument Butte State 15-2-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # UNION RIG 14

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		LANDING JT					12.4
136	4 1/2"	Maverick LT&C CSG	11.6	J-55	8rd	A	5797.47
		SHOE - Float /Guide			8rd	A	1.0
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5810.87
TOTAL LENGTH OF STRING		5810.87	136	LESS CUT OFF PIECE			12.4
LESS NON CSG. ITEMS		13.4		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		240.99	6	CASING SET DEPTH			5808.47
TOTAL		6038.46	142	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6038.46	142				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		6:00pm		GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		11:00pm		Bbls CMT CIRC TO SURFACE <u>15 bbls dye</u>			
BEGIN CIRC		11:15pm		RECIPROCATED PIPE FOR <u>15 mins</u> THRU <u>6'</u> FT STROKE			
BEGIN PUMP CMT		12:04am	12:36am	DID BACK PRES. VALVE HOLD ? <u>yes</u>			
BEGIN DSPL. CMT			12:58am	BUMPED PLUG TO <u>2512</u> PSI			
PLUG DOWN			1:10am				
CEMENT USED		CEMENT COMPANY- <u>BJ</u>			RECEIVED		
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	Prem Lite II w/ 10% GEL & 3% KCL mixed to 11.0 ppg > 3.43 YLD			MAY 02 2000		
2	500	50/50 POZ w/ 2% GEL & 3% KCL mixed to 14.4 ppg > 1.24 YLD					
					DIVISION OF OIL, GAS AND MINING		
CENTRALIZER			SHOW MAKE & SPACING				
1 on middle of first JT, 1 on collar of the second & third JT. Then every 3rd collar for a total of 20.							

COMPANY REPRESENTATIVE Pat Wisener

DATE 04/29/2000

INSPECTION FORM 6

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>MBS 15-2-9-16</u>	API Number: <u>43-013-31932</u>
Qtr/Qtr: <u>S4/E</u> Section: <u>2</u>	Township: <u>7S</u> Range: <u>16E</u>
Company Name: <u>Inland Production Company</u>	
Lease: State <u>MX-21839</u> Fee _____	Federal _____ Indian _____
Inspector: <u>Dennis J. Bagn</u>	Date: <u>5-29-03</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 110 psiCasing/Tubing Annulus - Pressure: 1175 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1175</u>	<u>110</u>
5	<u>1175</u>	<u>110</u>
10	<u>1175</u>	<u>110</u>
15	<u>1175</u>	<u>110</u>
20	<u>1175</u>	<u>110</u>
25	<u>1175</u>	<u>110</u>
30	<u>1175</u>	<u>110</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 110 psiCasing/Tubing Annulus Pressure: 1175 psi

COMMENTS:

Conversion used chart Static
Tested 9:00amDennis J. Bagn
Operator Representative

RECEIVED

MAY 29 2003

DIV. OF OIL, GAS & MINING



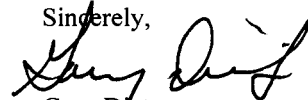
May 30, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 5, for the Monument Butte State 15-2-9-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,



Gary Dietz
Completion Foreman

Enclosures

gd

15-2-9-16
MONUMENT BUTTE
DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

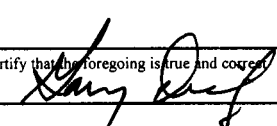
1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML - 21839	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/SE 778' FSL & 1996' FEL		8. FARM OR LEASE NAME Monument Butte State	
14 API NUMBER 43-013-31932		9. 15-2-9-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5527'		10 FIELD AND POOL, OR WILDCAT Monument Butte	
		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2, T9S, R16E SW/SE	
		12 COUNTY OR PARISH Duchesne	13 STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Weekly Status</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Status report for time period 5/22/00 through 5/28/00.

Subject well completion procedures initiated on 5/22/00. Two Green River intervals have been perforated and hydraulically fractured. A third interval has been perforated and awaits fracuring at this time.

18 I hereby certify that the foregoing is true and correct.			
SIGNED <u></u>	TITLE <u>Completion Foreman</u>	DATE <u>5/30/00</u>	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
CONDITIONS OF APPROVAL, IF ANY:			

* See Instructions On Reverse Side

RECEIVED
MAY 31 2000
DIVISION OF
OIL, GAS AND MINING



June 5, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed Form 5, for the Monument Butte State 15-2-9-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz
Completion Foreman

Enclosures

gd

RECEIVED

JUN 06 2000

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML - 21839	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. * See also space 17 below.) At surface SW/SE 778' FSL & 1996' FEL		8. FARM OR LEASE NAME Monument Butte State	
14 API NUMBER 43-013-31932		9. 15-2-9-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5527'		10 FIELD AND POOL, OR WILDCAT Monument Butte	
12 COUNTY OR PARISH Duchesne		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2, T9S, R16E SW/SE	
13 STATE UT			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Weekly Status</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Status report for time period 5/29/00 through 6/4/00.

Subject well completion procedures initiated on 5/22/00. A total of four Green River zones were perforated and hydraulically fractured. Bridge plugs and sand plugs were removed from wellbore. Zones were swab tested to clean up sand. Production tbg was ran in well and landed on 6/3. Rod pump and rods will be ran and well will begin producing on pump on 6/5/00.

18 I hereby certify that the foregoing is true and correct			
SIGNED <u><i>[Signature]</i></u>	TITLE <u>Completion Foreman</u>	DATE <u>6/5/00</u>	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
CONDITIONS OF APPROVAL, IF ANY:			

* See Instructions On Reverse Side

RECEIVED

JUN 06 2000

DIVISION OF
OIL, GAS AND MINING

QUINEX ENERGY CORPORATION

David 3-7B2

NWSE Section 7, T2S, R2W

API # 43-013-32149

Weekly Status Report

April 3, 2000: Well drilling @ 3,726' at 06:00. 26 March 2000, spud well with Unit Drilling Rig # 234. Cemented 2,066' 10 3/4" J55, 40.5# surface casing w/1,390 sks cement 3/31/2000. Drill out from under surface casing 4/1/2000 with 9 7/8" bits. Lithology : red-brown & grey-green mudstone & fine-medium grained sandstone, principally unconsolidated to poorly cemented.

April 10, 2000: Drilling @ 7,814' @ 06:00. Reported 20 oil or gas shows between 5634' and 76,86'. Good shows of Brown-black oil over shaker - 6740-48', *7222-28', 7316-28', 7396-7408' & 7670-86'. Lithology : brown, ochre, grey mudstone & Marlstone - brown- light brown, and light gray, micro-crystalline, dolomitic, with calcite filled fractures.

April 17, 2000: Depth 10,500'. Circulate to run intermediate logs. Reported 31 oil or gas shows between 7816' and 10496'. Good shows of brown oil over shaker @, 8858-68', 9456-66', *9804-32', 9876-96', 9846-56', 10076-108', 10284-310'.

April 24, 2000: Depth 10,522'. Schlumberger ran Array Induction Log, Comp. Neut.-Form. Litho-density Log, and Dipole Sonic Log to 10,488'. Ran 7 5/8" (4,947.45'- 26.4# P110 & 5579.10'- 29.7# P110 casing to 10,526' and cemented with 1,005 sacks Class G cement in 2 stages.

May 1, 2000: Depth 11,480'. Reported 35 oil and/or gas shows. Good show of green oil over shaker @ 11204-10', 11224-30', and 11258-72'. Mud weigh to 9.9#. Good show of brown-yellow oil @ 11392-11408' w/15-25' flare.

May 8, 2000: Depth 12,315'. Reported 27 oil and/or gas shows during week. Good to excellent shows @ 11514-26', 11532-52', and 11976-94'. High pressure show @ 11962-70' required placing well on choke, with flair of 100+ feet through gas buster and associated yellow brown oil.

May 15, 2000: Depth 13,311' and drilling. Reported 26 oil and/or gas shows during week. Good to excellent shows of green and brown-yellow waxy oil over shaker @ 12,324-40', 12352-60', 12412-20', 12468-82', 12972-94' and 13252-62'. Mud weight 12.8# with 5-25' flare.

May 22, 2000: Depth 13,520' and wait on cement. Ran 5 1/2" 20 #, P110 liner to 13,523' with liner top @ 10,243' and cemented with 659 sacks Class G cement in 2 (two) stages. Circulated out approx. 10 bbls cement. Reported 8 shows of oil and/or gas during week. Excellent shows @ 13,400-14' and 13415-30'. Well was on gas buster all week with mud weights 12.8 to 14.1# and flares from 3-20'.

TECH

MA

DIVISION
OIL, GAS AND



June 29, 2000

Bureau of Land Management
Vernal District Office, Division of Minerals
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Edwin I. Forsman

Dear Mr. Forsman:

Enclosed are duplicate copies of the Well Completion form (Form 3160-4) and a set of logs for the following wells:

South Wells Draw 14-2-9-16
Monument Butte State 15-2-9-16
Wells Draw Unit 16-32-8-16

Also enclosed is an *updated* completion form only for the State 33-32.

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

Madalyn M. Runge
Operations Secretary

Enclosures

cc: State of Utah, Division of Oil, Gas and Mining
Attn: Mr. Mike Hebertson
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver

RECEIVED

JUL 03 2000

**DIVISION OF
OIL, GAS AND MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

INLAND RESOURCES-INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface

778' FSL & 1996' FEL (SW SE) Section 2 - 9S - 16E

At top prod. Interval reported below

At total depth

14. PERMIT NO. 31932
43-013-31567 DATE ISSUED 03-16-00

12. COUNTY OR PARISH
DUCHESSNE

13. STATE
UT

15. DATE SPUDDED
04/22/00

16. DATE T.D. REACHED
04/28/00

17. DATE COMPL. (Ready to prod.)
06/05/00

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)*
5527' GL 5537' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
5821'

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4757' TO 5287'

RECEIVED

JUL 03 2000

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL/CLL/LGR 6-16-00

DIGI/SPICDL 5-10-00

DIVISION OF

27. WAS WELL CORED
No

23. CASING RECORD (Report all strings set in well)

OIL, GAS AND MINING

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	307	12-1/4	141 sx Cl G w/ 2% CaCl2	
4-1/2"	11.6#	5808'	7-7/8	350 sx Prem Lite II w/ 10% gel	
				and 500 sx 50/50 Poz w/ 2% gel	

29. LINER RECORD

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	EOT @ 5363'	TA @ 5166'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
A Sds: 5202' - 5287'	4	72
B Sds: 5057' - 5065'	4	32
C Sds: 4938' - 4945'	4	28
D Sds: 4757' - 4789'	4	68

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
A Sds: 5202' - 5287'	FRAC W/ 75,000# 20/40 SD IN 412 BBLs FLUID
B Sds: 5057' - 5065'	FRAC W/ 54,020# 20/40 SD IN 8000 GALS FLUID
C Sds: 4938' - 4945'	FRAC W/ 54,239# 20/40 SD IN 330 BBLs FLUID
D Sds: 4757' - 4789'	FRAC W/ 54,010# 20/40 SD IN 323 BBLs FLUID

33.* PRODUCTION

DATE FIRST PRODUCTION 06/05/00	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' RHAC Pump	WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE
	PROD'N. FOR TEST PERIOD	OIL--BBLs. 82
		GAS--MCF. 201
		WATER--BBL. 3
		GAS-OIL RATIO 2451
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE
		OIL--BBL. GAS--MCF. WATER--BBL.
		OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs In Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Don E. Murphy

TITLE

Senior Operations Engineer

DATE

6/29/00

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	3739'					
Garden Gulch 2	4058'					
Point 3 Mkr	4318'					
X Mkr	4582'					
Y-Mkr	4617'					
Douglas Creek Mkr	4738'					
BiCarbonate Mkr	4984'					
B Limestone Mkr	5110'	5138'				
Castle Peak	5593'	5617				
Basal Carbonate	NOE					
Total Depth (LOGGERS)	5821'					

Monument Butte State #15-2

RECEIVED

JUL 03 2000

DIVISION OF
GAS AND MINING

Monument Butte State #15-2

RECEIVED

JUL 03 2000

DIVISION OF
OIL, GAS AND MINING

Comments:



January 16, 2001

Mr. Brad Hill
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

Re: Conversion of two (2) Additional Wells to
South Monument Butte Area Permit
Class II Injection Conversion

South Wells Draw State #11-2
NESW Sec. 2, T9S, R16E
Duchesne County, Utah

South Wells Draw State #15-2
SWSE Sec. 2, T9S, R16E
Duchesne County, Utah

Dear Mr. Hill,

This is a letter of request to include the above listed South Wells Draw wells to the area permit for the South Monument Butte Unit. I have enclosed the complete Permit Applications for each well. Copies of all logs are already on file with the State of Utah's Division of oil, Gas and Mining.

If additional information is needed, please do not hesitate to contact me at the number given on our letterhead.

Sincerely,

Joyce McGough
Regulatory Specialist

Enclosures

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
SOUTH WELLS DRAW STATE #15-2-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
SOUTH WELLS DRAW UNIT
LEASE #ML-21839
JANUARY 8, 2001

TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – S. WELLS DRAW STATE #15-2-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – S. WELLS DRAW STATE #9-2-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – S. WELLS DRAW STATE #10-2-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – S. WELLS DRAW STATE #11-2-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – S. WELLS DRAW STATE #14-2-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – S. WELLS DRAW STATE #16-2-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – JONAH FEDERAL #3-11-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORT DATED 5-24-00
ATTACHMENT G-2	FRACTURE REPORT DATED 5-26-00
ATTACHMENT G-3	FRACTURE REPORTS DATED 5-30-00 and 6-02-00
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

South Wells Draw State #15-2-9-16

Spud Date: 4/22/2000
Put on Production: 6/05/2000
GL: 5527' KB: 5537'

Initial Production: 82 BOPD,
201 MCFD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (30.71')
DEPTH LANDED: 307.31'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

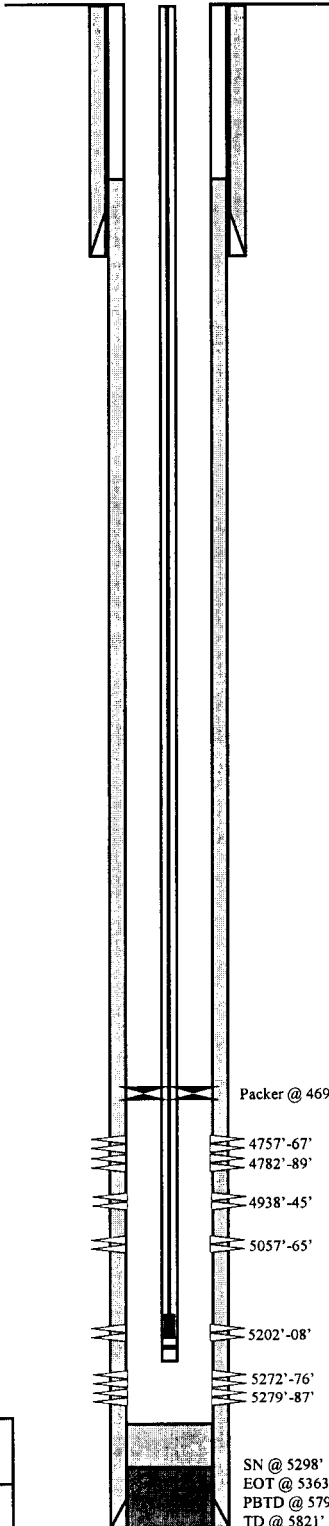
CSG SIZE: 4-1/2"
GRADE: J-55
WEIGHT: 11.6#
LENGTH: 136 jts. (5810.87')
DEPTH LANDED: 5808.47'
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sk Prem. Lite II mixed & 500 sxs 50/50 POZ.
CEMENT TOP AT: 217' per CBL

248

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#
NO. OF JOINTS: 160 jts
TUBING ANCHOR: 5166'
SEATING NIPPLE: 2-3/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5363'
SN LANDED AT: 5298'

Proposed Injection Wellbore Diagram



FRAC JOB

5/22/00 5202'-5287' **Frac A-1 & 3 sand as follows:**
75,000# 20/40 sand in 412 bbls Viking 1-25 Fluid. Perfs brk back @ 2520 psi @ 5.5 BPM. Treated @ avg press of 2300 psi w/ avg rate of 30 BPM. ISIP - 2900 psi, 5 min - 2060 psi. RD BJ. Flow back A sd frac on 12/64 choke for 1 hr & died. Rec 16 BTF

5/25/00 5057'-5065' **Frac B-2 sand as follows:**
3000 gals of Viking 1-25 pad, 54,020 lbs white 20/40 sand in 8000 gals Viking 1-25 fluid. 3234 gals flush. 3801 psi break down. 2000 psi avg. 27 bmp max, 27 bmp avg. ISP 2350 psi. 5 min 2174 psi. 352 total bbls pumped. RD BJ Services. Flow frac back @ 1/4 bmp avg rate. 45 bbls in 3 hrs.

5/30/00 4938'-4945' **Frac C sand as follows:**
54,239# 20/40 sd in 330 bbls Viking I-25 fluid. Hole filled w/ 60 bbls. Perfs broke dn @ 2260 psi. Treated @ avg rate of 24.4 BPM w/ avg press of 2100 psi. Screened out w/ 8.5# sd on perfs w/ 2352 gals flushed (862 gals short of top perf). Est 49,622 # sd in formation & 4617# sd left in csg. RD BJ. Flowback frac on 12/64" chk for 1 hr & died. Rec 18 BTF

6/01/00 4757'-4789' **Frac D-1 sand as follows:**
54,010# 20/40 sand in 323 bbls Viking I-25 fluid. Hole filled w/ 67 bbls. Perfs broke dn @ 3388 psi. Treated @ avg rate of 29.4 BPM w/ avg press of 2000 psi. ISIP: 2080 psi, 5-min: 1951 psi. RD BJ. Flowback frac on 12/64" chk for 2 hrs and died. Rec 94 BTF

PERFORATION RECORD

Date	Depth Range	Tool	Holes
5/22/00	5279'-5287'	4 JSPF	32 holes
5/22/00	5272'-5276'	4 JSPF	16 holes
5/22/00	5202'-5208'	4 JSPF	24 holes
5/24/00	5057'-5065'	4 JSPF	32 holes
5/26/00	4938'-4945'	4 JSPF	28 holes
5/31/00	4757'-4767'	4 JSPF	40 holes
5/31/00	4782'-4789'	4 JSPF	28 holes

Packer @ 4693'

4757'-67'

4782'-89'

4938'-45'

5057'-65'

5202'-08'

5272'-76'

5279'-87'

SN @ 5298'
EOT @ 5363'
PBTD @ 5793'
TD @ 5821'



Inland Resources Inc.

South Wells Draw State #15-2-9-16

778 FSL 1996 FEL

SWSE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31567; Lease #ML-21839

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the South Wells Draw State #15-2-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw Unit.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. In the South Wells Draw State #15-2-9-16 well, the proposed injection zone is from 4757'- 5287'. The confining stratum directly above and below the injection zones is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4757'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the South Wells Draw State #15-2-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #ML-21839) in the Monument Butte (Green River) Field, South Wells Draw Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 307' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5808' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2068 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the South Wells Draw State #15-2-9-16, for proposed zones (4757' - 5287') calculates at 0.87 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2068 psig. See Attachment G through G-4.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the South Wells Draw State #15-2-9-16, the injection zone (4757' - 5287') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-6.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

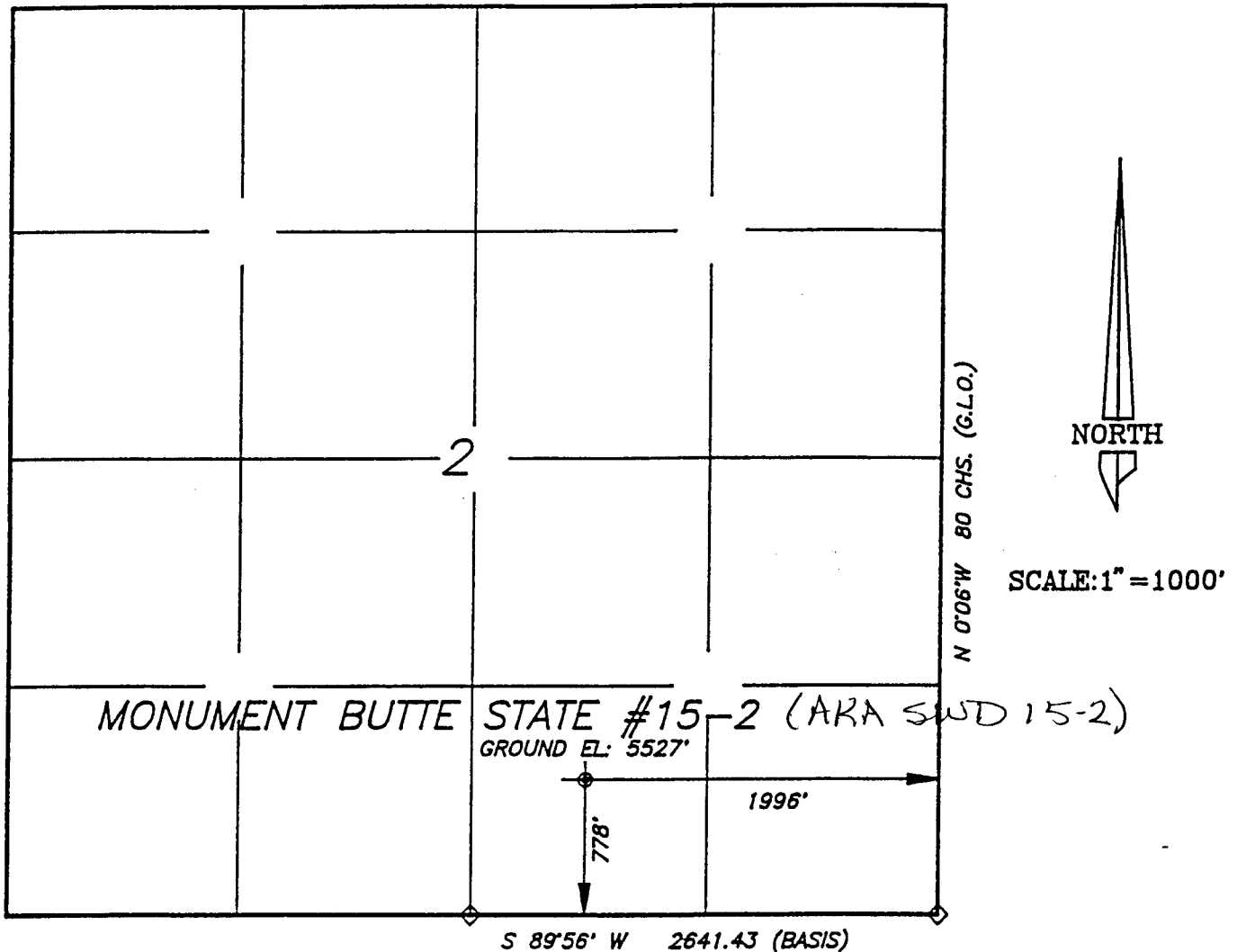
Inland Production Company will supply any requested information to the Board or Division.

ML-21839



INLAND PRODUCTION CO.
WELL LOCATION PLAT
MONUMENT BUTTE STATE #15-2 (AKA SWD 15-2)

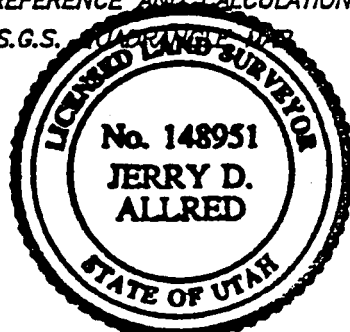
LOCATED IN THE SW1/4 OF THE SE1/4
SECTION 2, T9S, R16E, S.L.B.&M.



LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. PLAT.



19 OCT 1995

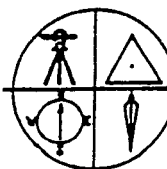
84-121-032

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

Jerry D. Allred

JERRY D. ALLRED, REGISTERED LAND SURVEYOR,
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER STREET
P.O. BOX 975
DUCHESENE, UTAH 84021
(801)-738-5352

Attachment B
Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 2: All	ML-21839 HBP	Inland Production Company Key Production Co. Inc.	(Surface Rights) STATE
2	<u>Township 9 South, Range 16 East</u> Section 1: Lot 4, S/2NW/4	UTU-72103 HBP	Inland Production Company	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East</u> Section 11: E/2, NW/4, NE/4SW/4 Section 12: NW/4 Section 14: N/2NE/4, SE/4NE/4, NE/4SE/4	U-096550 HBP	Inland Production Company	(Surface Rights) USA
4	<u>Township 9 South, Range 16 East</u> Section 1: SW/4	U-18399 HBP	Inland Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
South Wells Draw State #15-2-9-16

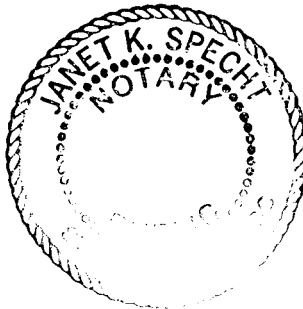
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: Bill Pennington
Inland Production Company
Bill Pennington
Chief Executive Officer

Sworn to and subscribed before me this 11th day of January, 2001.

Notary Public in and for the State of Colorado: Janet K. Specht

My Commission Expires: 7/16/01



South Wells Draw State #15-2-9-16

Attachment E

Spud Date: 4/22/2000
Put on Production: 6/05/2000
GL: 5527' KB: 5537'

Initial Production: 82 BOPD,
201 MCFD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (30.71')
DEPTH LANDED: 307.31'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 4-1/2"
GRADE: J-55
WEIGHT: 11.6#
LENGTH: 136 jts. (5810.87')
DEPTH LANDED: 5808.47'
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sk Prem. Lite II mixed & 500 sxs 50/50 POZ.
CEMENT TOP AT: 217' per CBL

246

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#
NO. OF JOINTS: 160 jts
TUBING ANCHOR: 5166'
SEATING NIPPLE: 2-3/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5363'
SN LANDED AT: 5298'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 4-1-1/2" weight bars, 10 - 3/4" scraped rods, 107 - 3/4" plain rods, 89 - 3/4" scraped rods, 1-8", 1-6", 1-4", 1-2'-3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 5
LOGS: Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

5/22/00 5202'-5287' **Frac A-1 & 3 sand as follows:**
75,000# 20/40 sand in 412 bbls Viking 1-25 fluid. Perfs brk back @ 2520 psi @ 5.5 BPM. Treated @ avg press of 2300 psi w/ avg rate of 30 BPM. ISIP - 2900 psi, 5 min - 2060 psi. RD BJ. Flow back A sd frac on 12/64 choke for 1 hr & died. Rec 16 BTF

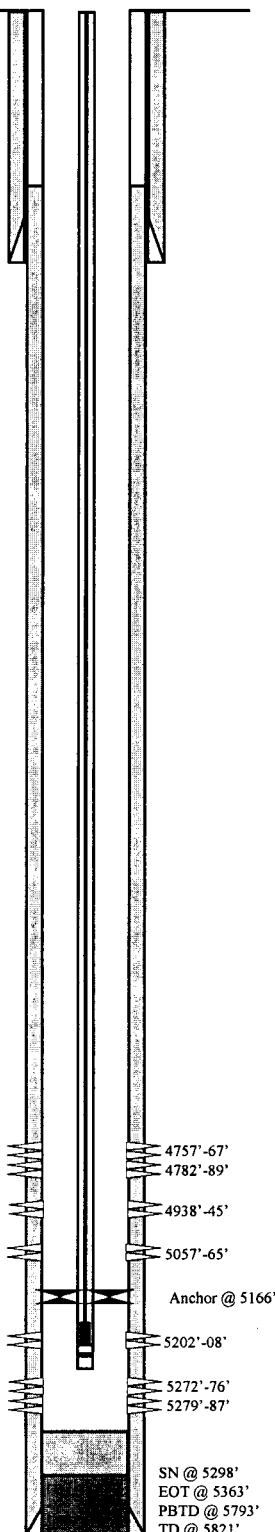
5/25/00 5057'-5065' **Frac B-2 sand as follows:**
3000 glas of Viking 1-25 pad, 54,020 lbs white 20/40 sand in 8000 gals Viking 1-25 fluid. 3234 gals flush. 3801 psi break down. 2000 psi avg. 27 bmp max, 27 bmp avg. ISP 2350 psi. 5 min 2174 psi. 352 total bbls pumped. RD BJ Services. Flow frac back @ 1/4 bmp avg rate. 45 bbls in 3 hrs.

5/30/00 4938'-4945' **Frac C sand as follows:**
54,239# 20/40 sd in 330 bbls Viking I-25 fluid. Hole filled w/ 60 bbls. Perfs broke dn @ 2260 psi. Treated @ avg rate of 24.4 BPM w/ avg press of 2100 psi. Screened out w/ 8.5# sd on perfs w/ 2352 gals flushed (862 gals short of top perf). Est 49,622 # sd in formation & 4617# sd left in csg. RD BJ. Flowback frac on 12/64" chk for 1 hr & died. Rec 18 BTF

6/01/00 4757'-4789' **Frac D-1 sand as follows:**
54,010# 20/40 sand in 323 bbls Viking I-25 fluid. Hole filled w/ 67 bbls. Perfs broke dn @ 3388 psi. Treated @ avg rate of 29.4 BPM w/ avg press of 2000 psi. ISIP: 2080 psi, 5-min: 1951 psi. RD BJ. Flowback frac on 12/64" chk for 2 hrs and died. Rec 94 BTF

PERFORATION RECORD

Date	Interval	ISF	Holes
5/22/00	5279'-5287'	4 JSF	32 holes
5/22/00	5272'-5276'	4 JSF	16 holes
5/22/00	5202'-5208'	4 JSF	24 holes
5/24/00	5057'-5065'	4 JSF	32 holes
5/26/00	4938'-4945'	4 JSF	28 holes
5/31/00	4757'-4767'	4 JSF	40 holes
5/31/00	4782'-4789'	4 JSF	28 holes



Inland Resources Inc.

South Wells Draw State #15-2-9-16

778 FSL 1996 FEL

SWSE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31567; Lease #ML-21839

Monument Butte State #9-2

Spud Date: 4/28/96
Put on Production: 5/31/96
GL: 5492' KB: 5505'

Initial Production: 103 BOPD,
385 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 294.70'
DEPTH LANDED: 292.75'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sks Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5618.99')
DEPTH LANDED: 5608'
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sks Hyfill mixed & 265 sks thixotropic
CEMENT TOP AT: Surface per CBL.

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 173 jts
TUBING ANCHOR: 4462'
TOTAL STRING LENGTH: 5397'
SN LANDED AT: 5303'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 107-3/4" slick rods, 95-3/4" scraped
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 7"
PUMP SPEED, SPM: 6-1/2 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

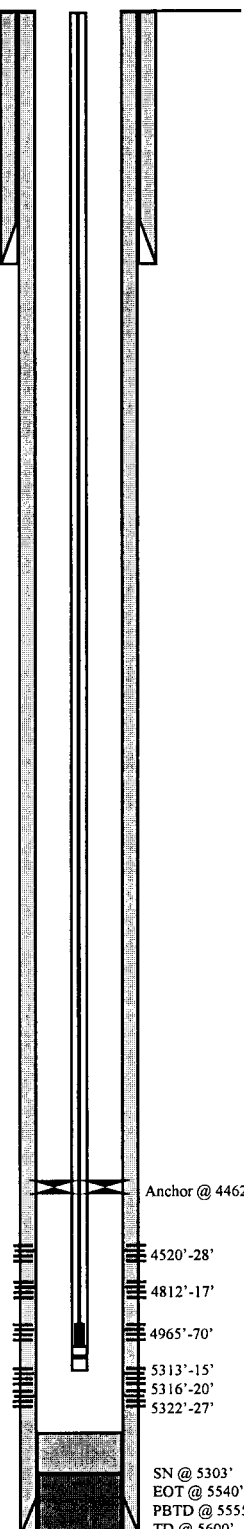
5/20/96 5313'-5327' **Frac A-3 sand as follows:**
73,000# of 20/40 sd in 445 bbls Boragel, brokedown @ 3650 psi. Treated @ avg rate 20.3 bpm, avg press 1850 psi. ISIP-2042 psi, 5-min SI 1978 psi. Flowback after 5 min on 16/64 ck @ 1.6 bpm.

5/22/96 4812'-4970' **Frac C and D-1 zones as follows:**
103,800# of 20/40 sd in 545 bbls Boragel. Breakdown @ 2690# treated @ avg rate of 30.5, avg press 2200#. ISIP-2121 psi, 5-min 2052 psi. Flowback after 5 min on 16/64" ck @ 1.6 bpm.


5/24/96 4520'-4528' **Frac PB-10 zone as follows:**
78,800# of 20/40 sd in 431 bbls Boragel. Breakdown @ 3051# treated @ avg rate of 16.5 bpm, avg press 2200#. ISIP-3090 psi, 5-min SI 3046 psi. Flowback on 16/64" ck.

PERFORATION RECORD

5/18/96	5313'-5315'	4 JSPF	8 holes
5/18/96	5316'-5320'	4 JSPF	16 holes
5/18/96	5322'-5327'	4 JSPF	20 holes
5/21/96	4965'-4970'	2 JSPF	10 holes
5/21/96	4812'-4817'	2 JSPF	10 holes
5/23/96	4520'-4528'	4 JSPF	32 holes



SN @ 5303'
EOT @ 5540'
PBD @ 5555'
TD @ 5600'



Inland Resources Inc.

Monument Butte State #9-2

2058 FSL 713 FEL

NESE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31555; Lease #ML-21839

Monument Butte State #10-2

Spud Date: 10/9/96
Put on Production: 2/13/97
GL: 5515' KB: 5528'

Initial Production: 102 BOPD,
120 MCFPD, 11 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294.51')
DEPTH LANDED: 293.91' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium Plus cmt, est 10 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 139 jts. (5895.61')
DEPTH LANDED: 5893.61'
HOLE SIZE: 7-7/8"
CEMENT DATA: 355 sks Hibond mixed & 340 sks thixotropic
CEMENT TOP AT: 827' per CBL

1030

TUBING

SIZE/GRADE/WT.: 2-7/8" / LS / 6.5#
NO. OF JOINTS: 188 jts
TUBING ANCHOR: 5648'
TOTAL STRING LENGTH: ? (EOT @ 5746')
SN LANDED AT: 5682'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 123-3/4" plain rods, 97-3/4" scraped
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 15 RHAC pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

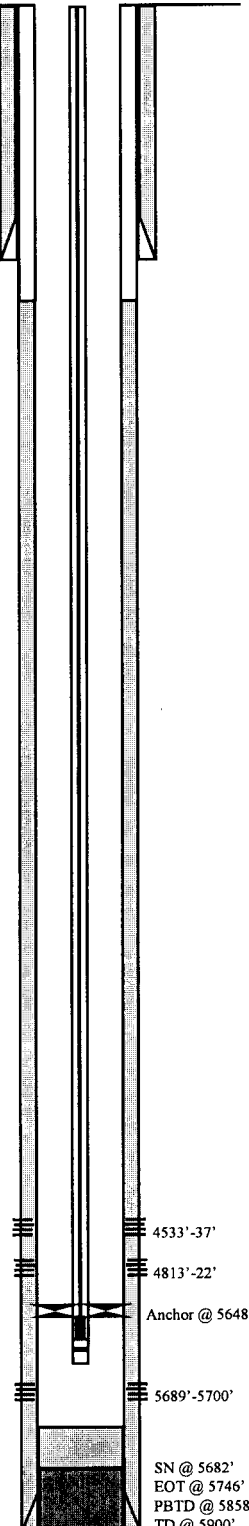
2/5/97 5689'-5700' **Frac CP-1 sand as follows:**
112,700# of 20/40 sand in 568 bbls of Boragel. Breakdown @ 3720 psi. Treated @ avg rate of 24.1 bpm w/avg press of 1450 psi. ISIP-2223 psi, 5-min 1974 psi. Flowback on 12/64" ck for 2 hours and died.

2/7/97 4813'-4822' **Frac D-1 sand as follows:**
87,500# of 20/40 sand in 492 bbls of Boragel. Breakdown @ 3750 psi. Treated @ avg rate of 23.8 bpm w/avg press of 2100 psi. ISIP-2526 psi, 5-min 2537 psi. Flowback on 12/64" ck for 5 hours and died.

2/10/97 4533'-4537' **Frac PB-10 zone as follows:**
98,400# of 20/40 sand in 529 bbls of Boragel. Breakdown @ 3000 psi. Treated @ avg rate of 20 bpm w/avg press of 2450 psi. ISIP-3860 psi, 5-min 3794 psi. Flowback on 12/64" ck for 15 min and died.

PERFORATION RECORD

2/4/97	5689'-5700'	4 JSPF	44 holes
2/6/97	4813'-4822'	4 JSPF	36 holes
2/8/97	4533'-4537'	4 JSPF	16 holes



Inland Resources Inc.

Monument Butte State #10-2

1980 FSL 1980 FEL
NWSE Section 2-T9S-R16E
Duchesne Co, Utah
API #43-013-31565; Lease #ML-21839

South Wells Draw #11-2-9-16

Spud Date: 4/29/2000
 Put on Injection: N/A
 GL: 5516' KB: 5526'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. 302.52'
 DEPTH LANDED: 300.12'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sxs Class "G" cmt

FRAC JOB

Waiting on Completion 11/2/2000

PRODUCTION CASING

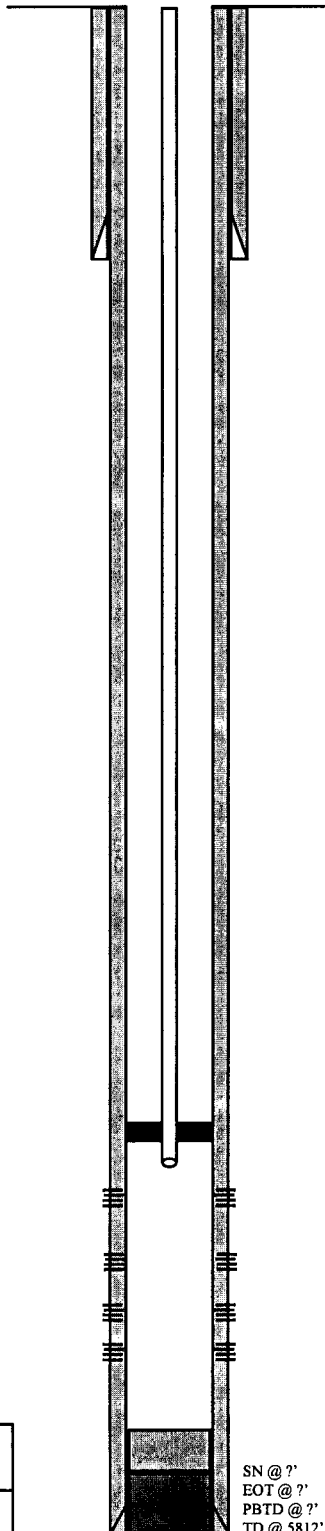
CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 136 jts. (5810.87')
 DEPTH LANDED: 5808.47'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem Lite II & 500 sxs 50/50 POZ
 CEMENT TOP AT: ? 110

TUBING

SIZE/GRADE/WT.: Waiting on Completion 11/2/2000
 NO. OF JOINTS:
 PACKER:
 SEATING NIPPLE:
 TOTAL STRING LENGTH:
 SN LANDED AT:

SUCKER RODSPERFORATION RECORD

Waiting on Completion 11/2/2000



SN @ ?'
 EOT @ ?'
 PBTD @ ?'
 TD @ 5812'



Inland Resources Inc.

South Wells Draw #11-2-9-16

1967 FWL 1980 FSL

NESW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32125; Lease #ML-21839

South Wells Draw State #14-2-9-16

Spud Date: 5/27/2000
Put on Production: 6/05/2000
GL: 5547' KB: 5557'

Initial Production: 199 BOPD,
248 MCFD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (30.71")
DEPTH LANDED: 305.71'
HOLE SIZE: 12-1/4"
CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts. (5800.39')
DEPTH LANDED: 5798'
HOLE SIZE: 7-7/8"
CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

839

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts
TUBING ANCHOR: 5235'
SEATING NIPPLE: 2-3/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5362'
SN LANDED AT: 5299'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 4-1-1/2" weight bars, 10-3/4" scraped rods, 107-3/4" plain rods, 90-3/4" scraped rods, 1-4'-3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 14-1/2" RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 4.5
LOGS: Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

5/23/00 5282'-5290' **Frac A sandS as follows:**
75,200# 20/40 sand in 477 bbls Viking 1-25 Fluid. Perfs brk back @ 2770 psi. Treated @ avg press of 1500 psi w/ avg rate of 28 BPM. ISIP - 1960 psi, 5 min - 1625 psi. RD BJ. Flow back A sd frac on 12/64 choke for 3 hrs & died. Rec 99 BTF

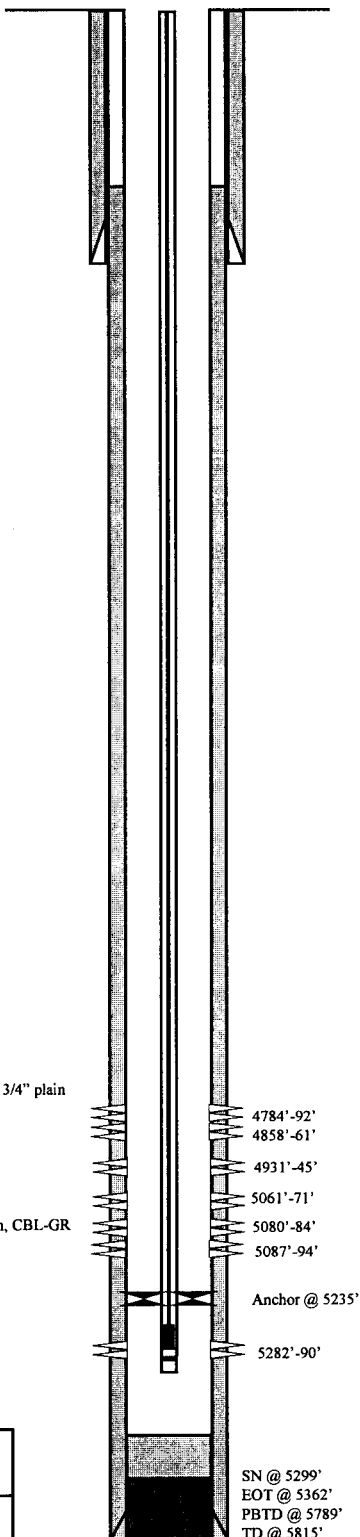
5/25/00 5061'-5094' **Frac B sand as follows:**
3000 gals of Viking 1-25 pad, 75,200 lbs white 20/40 sand in 11,000 gals Viking 1-25 fluid. 5040 gals flush. Broke down at 2650 psi. 1600 psi avg. ISIP 2150 psi. 5 min 1839 psi. 477 total bbls pumped. RD BJ. Flow frac back @ .6 bpm avg rate. 54 bbls in 1.5 hrs.

5/30/00 4931'-4945' **Frac C sand as follows:**
72,057# 20/40 sd in 430 bbls Viking 1-25 fluid. Hole filled w/114 bbls. Perfs broke dn @ 1970 psi. Treated @ avg rate of 26.8 BPM w/ avg press of 2500 psi. Screened out w/ 8.5# sd on perfs w/3822 gals flushed (1104 gals short of top perf). ISIP 3320#, 5 min 2651#. RD BJ. Flowback frac on 12/64" chk for 2 hrs & died. Rec 50 BTF

6/01/00 4784'-4861' **Frac D-1 sand as follows:**
78,043# 20/40 sand in 484 bbls Viking 1-25 fluid. Hole filled w/110 bbls. Perfs broke dn @ 2644 psi. Treated @ avg rate of 29 BPM w/avg press of 1800 psi. ISIP: 2010 psi, 5-min: 1883 psi. RD BJ. Flowback frac on 12/64" chk for 3 hrs and died. Rec 110 BTF

PERFORATION RECORD

Date	Depth Range	Tool	Holes
5/22/00	5282'-5290'	4 JSPF	32 holes
5/24/00	5061'-5071'	4 JSPF	40 holes
5/24/00	5080'-5084'	4 JSPF	16 holes
5/24/00	5087'-5094'	4 JSPF	28 holes
5/26/00	4931'-4945'	4 JSPF	56 holes
5/31/00	4784'-4792'	4 JSPF	32 holes
5/31/00	4858'-4861'	4 JSPF	12 holes



Inland Resources Inc.

South Wells Draw State #14-2-9-16

725 FSL 1980 FWL

SESW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32128; Lease #ML-21839

Monument Butte State #16-2

Spud Date: 9/26/96
Put on Production: 10/28/96
GL: 5508' KB: 5521'

Initial Production: 55 BOPD,
80 MCFPD, 14 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (292.34')
DEPTH LANDED: 291.24' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium Plus cmt, est 3 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts. (5849.89')
DEPTH LANDED: 5847.89'
HOLE SIZE: 7-7/8"
CEMENT DATA: 480 sxs Hibond mixed & 375 sxs thixotropic
CEMENT TOP AT: 496' per CBL

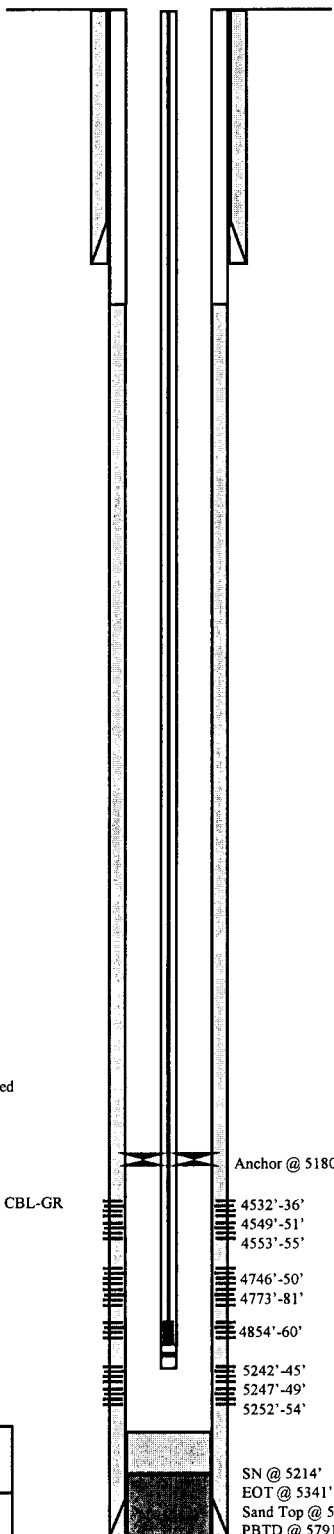
TUBING

SIZE/GRADE/WT.: 2-7/8" / LS / 6.5#
NO. OF JOINTS: 186 jts
TUBING ANCHOR: 5180'
TOTAL STRING LENGTH: ? (EOT @ 5341')
SN LANDED AT: 5214'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 8-1" scraped, 100-3/4" plain rods, 99-3/4" scraped
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 15 RHAC pump
STROKE LENGTH: 54"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram



FRAC JOB

10/18/96 5242'-5254' **Frac A-3 sand as follows:**
73,000# of 20/40 sand in 446 bbls of Delta Frac fluid. Breakdown @ 4000 psi. Treated @ avg rate of 20 bpm w/avg press of 2350 psi. ISIP-2418 psi, 5-min 2358 psi. Flowback on 12/64" ck for 2-1/2 hours and died.


10/21/96 4746'-4860' **Frac D-1 and D-3 zones as follows:**
81,500# of 20/40 sand in 454 bbls of Delta Frac fluid. Breakdown @ 1710 psi. Treated @ avg rate of 27.5 bpm w/avg press of 2300 psi. ISIP-2951 psi, 5-min 2475 psi. Flowback on 12/64" ck for 4 hours and died.

10/23/96 4532'-4555' **Frac PB-10 zone as follows:**
73,000# of 20/40 sand in 334 bbls of Delta Frac fluid. Well screened out w/3282 gal left in flush. Placed est 51,250# of sand into formation. Breakdown @ 2950 psi. Treated @ avg rate of 18.5 bpm w/avg press of 2100 psi. ISIP-3650 psi, 5-min 1328 psi. Flowback on 12/64" ck, rec 42 bbls sand laden fluid.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
10/17/96	5242'-5245'	4 JSPF	12 holes
10/17/96	5247'-5249'	4 JSPF	8 holes
10/17/96	5252'-5254'	4 JSPF	8 holes
10/19/96	4746'-4750'	4 JSPF	16 holes
10/19/96	4773'-4781'	4 JSPF	32 holes
10/19/96	4854'-4860'	4 JSPF	24 holes
10/22/96	4532'-4536'	4 JSPF	16 holes
10/22/96	4549'-4551'	4 JSPF	8 holes
10/22/96	4553'-4555'	4 JSPF	8 holes

SN @ 5214'
EOT @ 5341'
Sand Top @ 5578'
PBTD @ 5791'
TD @ 5850'



Inland Resources Inc.

Monument Butte State #16-2

740 FSL 664 FEL

SESE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31510; Lease #ML-21839

Jonah Federal #3-11-9-16

Spud Date: 9/13/2000
Put on Production: 10/31/2000
GL: 5573' KB: 5583'

Initial Production: 256 BOPD,
160 MCFD, 72 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (30.71")
DEPTH LANDED: 310'
HOLE SIZE: 12-1/4"
CEMENT DATA: 155 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5612.72')
DEPTH LANDED: 5609'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sx Prem. Lite II mixed & 425 sx 50/50 POZ.

512

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 176 jts
TUBING ANCHOR: 5341'
SEATING NIPPLE: 2-3/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5471'
SN LANDED AT: 5406'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" scraped rods, 112 - 3/4" plain rods, 88 - 3/4" scraped rods, 4 2-3/4" x 4'; 1-3/4" x 6'; 1-3/4" x 8' pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 12" x 16" RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 5
LOGS: Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

10/20/00 5376'-5404' **Frac LODC sand as follows:**
48,104# 20/40 sand in 327 bbls Viking 1-25 Fluid. Perfs brk back @ 3277 psi. Treated @ avg press of 3480 psi w/ avg rate of 27 BPM. ISIP - 3700 psi. Flow back @ 1 BPM for 1 hr & died. Rec. 37 BTF. RD BJ. Rig broke down, rep. rig.

10/23/00 5175'-5186' **Frac A1 sand as follows:**
2000 gals of Viking 1-25 pad, 55,500 lbs white 20/40 sand in 9599 gals Viking 1-25 fluid. 5082 gals flush. Started flow-back immediately @ 1 BPM. Flowed 106 bbls. Became stuck - recovered fish. Avg press 1750 psi; avg rate 27 BPM. ISIP 2080 psi. Pumped 397 bbls total.

10/24/00 4905'-5048' **Frac B/C sand as follows:**
93,138# 20/40 sand in 563 bbls Viking 1-25 fluid. Perfs broke down @ 2177 psi. Treated @ avg rate of 28.9 BPM w/avg press of 1845 psi. ISIP: 2213 psi, 5-min: 2164 psi. Left pressure on well. RD BJ. Estimate 1151 BWTR.

10/25/00 4758'-4858' **Frac D sand as follows:**
3500 gals Viking pad, 80,580# 20/40 sand in 515 bbls Viking 1-25 fluid. Perfs broke down @ 3261 psi. Avg. press 2100 psi @ avg rate of 31.4 BPM. ISIP 2270 psi. RD BJ. Start immed flowback on 12/64" choke @ 1 BPM. Flowed 486 BTF in 8-1/2 hrs. Turned flow to production tanks.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
10/19/00	5376'-5382'	4 JSPF	24 holes
10/19/00	5398'-5404'	4 JSPF	24 holes
10/21/00	5175'-5186'	4 JSPF	44 holes
10/24/00	4844'-4849'	4 JSPF	20 holes
10/24/00	4856'-4858'	4 JSPF	8 holes
10/24/00	4793'-4797'	4 JSPF	16 holes
10/24/00	4758'-4767'	4 JSPF	36 holes
10/24/00	5033'-5048'	4 JSPF	60 holes
10/24/00	4905'-4908'	4 JSPF	12 holes
10/24/00	4915'-4917'	4 JSPF	8 holes

SN @ 5406'
EOT @ 5471'
PBTB @ 5564'
TD @ 5633'



Inland Resources Inc.

Jonah Federal #3-11-9-16

706 FNL 2094 FWL

NENW Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32159; Lease #UTU-096550

Attachment "G"

**South Wells Draw State #15-2-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5272	5287	5280	2900	0.982	2884
5057	5065	5061	2350	0.897	2337
4938	4945	4942	3950	1.232	3937
4757	4767	4762	2080	0.870	2068
4782	4789	4786	2080	0.868	2068
				Minimum	<u>2068</u>



Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433*1.005)) x Depth of Top Perf
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient = (ISIP +(0.433*Avg. Depth))/Avg. Depth



Attachment G-1

SUMMARY WORKOVER REPORT

MB ST 15-2-9-16

SW/SE Section 2 - T9S - R16E
Duchesne Co., UT
API # 43-013-1932

Spud Dat 4/22/00
TD

Completion or Workover Rig KES #997

Report Date 5/20/00 Day 1

Scraper run/Perf & breakdown A sds

Date Work Performed 5/19/00

MIRU KES #997. Install 5M frac head. Tally tbg. SDFN

Daily Cost 153,028 Cumulative Cost 153,028

Report Date 5/23/00 Day 2

Swabbing

Date Work Performed 5/22/00

Press test frac head, BOP's, and csg to 3000 psi. PU & MU 4-1/2" scraper w/bit. TIH w/180 jts tbg and tag PBTD @ 5793'. With 4 JSPF. 18 total ft w/ 72 shots. PU & MU 4-1/2" pkr TIH w/ same and set @ 5225'. Brk dn perms @ 5272' thru 5287'. Brk dn prss was 1400 psi @ .90/bpm. Brk dn perms @ 5202 thru 5208'. Brk dn press was 1900 psi @ .86/bpm. Release pkr and TOH till EOT was 5197'. RU & swab fluid level to 1300'. 20 total bbls rec.

STIMULATION DETAIL:

Base fluid used: treated fresh, rig pump
Break down perms @ 5272' thru 5297' 1900 psi @ .86/bpm.
Break down perms @ 5202' thru 5208' 1400 psi @ .90/bpm.

Daily Cost \$5,270 Cumulative Cost 158,298

Report Date 5/24/00 Day 3

Swabbing

Date Work Performed 5/23/00

Con't swabbing A sds after breakdown. IFL @ 1900' Made 8 swab runs rec 42 BTF w/ slight tr oil. FFL @ 4900'. TOH w/ tbg. LD pkr. RU BJ Services & frac A sds w/75,000# 20/40 sand in 412 bbls Viking 1-25 Fluid. Perfs brk back @ 2520 psi @ 5.5 BPM. Treated @ avg press of 2300 psi w/ avg rate of 30 BPM. ISIP - 2900 psi, 5 min - 2060 psi. RD BJ. Flow back A sd frac on 12/64 choke for 1 hr & died. Rec 16 BTF (est 4% of frac load). SIFN w/ est 396 BWTR.

STIMULATION DETAIL:

Base Fluid Used: Viking 1-25
3000 gals of pad
1000 gals w/ 1-6 ppg of 20/40 sand
9000 gals w/ 6-8 ppg of 20/40 sand
1004 gals w/ 8-9 ppg of 20/40 sand
Flush w/ 3318 gals of slick water
Max TP: 3563, Avg TP: 2300
Max Rate: 32 BPM, Avg Rate: 30 BPM
Total Fluid pmpd: 412 bbls, Total Prop pmpd: 75,000#
ISIP: 2900, 5 min: 2060

Daily Cost \$19,574 Cumulative Cost 177,872

Report Date 5/25/00 Day 4

Frac & flowback B sds



Attachment G-2

SUMMARY WORKOVER REPORT

Date Work Performed **5/24/00**

TIH w/ 4-1/2" TS-RBP & tbg. Set plug @ 5098'. Pull EOT to 5032'. Fill hole w/ 20 BW and press test plug to 3000 psi. Swab FL dn to 4500'. Rec 97 BTF. TOH w/ tbg & RH. RU Schlumberger and perf B sds @ 5057-5065' w/ 4 JSPF. RD WLT. TIH w/ tbg to 5032'. RU swab equip, IFL @ 4400'. Made 3 swab runs rec 7 BTF w/tr oil. FFL @ 4900'. SIFN w/ est 312 BWTR.

Daily Cost \$4,321 Cumulative Cost 182,193

Report Date **5/26/00** Day **5**

Perforate C-Sds

Date Work Performed **5/25/00**

0 psi tbg. Swb fluid from 4800' to 4900' (1) run. TOH w/ tbg. Rig up BJ frac services and frac B sds. 3000 gals of Viking 1-25 pad, 54,020 lbs white 20/40 sand in 8000 gals Viking 1-25 fluid. 3234 gals flush. 3801 psi break down. 2000 psi avg. 27 bmp max, 27 bmp avg. ISP 2350 psi. 5 min 2174 psi. 352 total bbls pumped. RD BJ Services. Flow frac back @ 1/4 bmp avg rate. 45 bbls in 3 hrs. Remove BOP's and install new BOP's due to failure during frac. 45 bbls of flow bac represents 13% of frac fluid pmpd. 307 left to recover.

STIMULATION DETAIL:

3000 GALS Viking 1-25 pad

54,020# 20/40 white sand in 8,000 gals Viking 1-25 fluid

3234 gals slick water flush

.904 F.G.

Max TP: 3801, Avg TP: 2000

Max Rate: 27, Avg Rate: 27

Total fluid pmpd: 352, Total Prop pmpd: 54,020

ISIP: 2350, 5 min: 2174

Daily Cost \$21,468 Cumulative Cost 203,661

Report Date **5/27/00** Day **6**

Frac C-sds

Date Work Performed **5/26/00**

0 psi csg. PU & MU retrieving head and TIH w/ 150 jts tbg. Tag sand @ 4845'. RU and clean out to RBP @ 5098'. Lost est. 20 bbls wtr during clean out. Release RBP and move up hole to 4962'. Set plug & press test to 2500 psi. RU swab equip and swb fluid level to 4400'. 61 total bbls in 8 runs. TOH w/ tbg. RU Schlumberger and perf C-sds @ 4938' to 4945' w/ 4 JSPF. Fluid inflowed 150' (2.33 BBLS) after perf. TIH w/ NC to 4910' EOT. Found fluid level @ 4500'. 0 total bbls in 2 runs w/ 2 new cups. SWIFN

Daily Cost \$3,979 Cumulative Cost 207,640

Report Date **5/31/00** Day **7**

Perforating D-Sands



Attachment G-3

SUMMARY WORKOVER REPORT

Date Work Performed 5/30/00

Bleed gas off tbg. Con't swabbing C-sds after perforating. IFL @ 4300'. Made 2 swab runs rec 2 BTF w/ tr oil. FFL @ 4600'. TOH w/ tbg & NC. RU BJ Services to frac C-sds w/ 54,239# 20/40 sd in 330 bbls Viking I-25 fluid. Hole filled w/ 60 bbls. Perfs broke dn @ 2260 psi. Treated @ avg rate of 24.4 BPM w/ avg press of 2100 psi. Screened out w/ 8.5# sd on perfs w/ 2352 gals flushed (862 gals short of top perf). Est 49,622 # sd in formation & 4617# sd left in csg. RD BJ. Flowback frac on 12/64" chk for 1 hr & died. Rec 18 BTF (est 5% of frac ld). TIH w/ RH & tbg. Tbg displaced 8 bbls on TIH. Tag sd @ 4809' Rev circ out sd to RBP @ 4962'. Circ hole clean. Lost no fluid. Release plug. Pull up to 4836'. Attempted several times to re-set plug w/ no success. SIFN w/ est 880 BWTR.

STIMULATION DETAIL:

3000 gals of pad
1000 gals w/ 1-6 ppg of 20/40 sd
6000 gals w/ 6-8 ppg of 20/40 sd
1526 gals w/ 8-9 ppg of 20/40 sd
Flush w/ 2352 gals of slick wtr (862 gals short of top perfv)
Screened out w/ 8.5# sd on perfs
Est 49,622# sd in perfs & 4617# sd left in csg
Max TP: 5200, Avg TP: 2100
Max Rate: 25.1 BPM, Avg Rate: 24.4 BPM
Total fluid pmpd: 330 bbls, Total Prop pmpd: 54,239#
ISIP: 3950, 5 min: 3785

Daily Cost \$17,927 Cumulative Cost 225,567

Report Date 6/1/00 Day 8

Frac/flowback

Date Work Performed 5/31/00

TOH w/ tbg & RBP f/ 4841'. LD plg. Btm slip element jammed tight. TIH w/ new 4-1/2" TS-RBP & tbg. Set plug @ 4842'. Pull EOT to 4780'. Fill hole w/ 7 BW. Press test plg to 3000 psi. Swab FL dn to 4200'. Rec 58 BTF. TOH w/ tbg & RH. RU Schlumberger and perf D-sds @ 4757' - 4767' and 4782' - 4789' w/ 4 JSPF. RDWLT. TIH w/ NC & tbg to 4780'. SIFN w/ est 829 BWTR.

Daily Cost \$4,651 Cumulative Cost 230,218

Report Date 6/2/00 Day 9

Swabbing

Date Work Performed 6/1/00

RU to swab D-sds after perforating. IFL @ 4200' Made 1 dry swab run. TOH w/ tbg & NC. RU BJ Services and frac D-sds w/ 54,010# 20/40 sand in 323 bbls Viking I-25 fluid. Hole filled w/ 67 bbls. Perfs broke dn @ 3388 psi. Treated @ avg rate of 29.4 BPM w/ avg press of 2000 psi. ISIP: 2080 psi, 5-min: 1951 psi. RD BJ. Flowback frac on 12/64" chk for 2 hrs and died. Rec 94 BTF (est 29% of frac ld). TIH w/ RH & tbg to 4251'. Circ hole clean. SIFN w/ est 1058 BWTR.

STIMULATION DETAIL:

3000 gals of pad
1000 gals w/ 1-6 ppg of 20/40 sd
6000 gals w/ 6-8 ppg of 20/40 sd
560 gals w/ 8-9 ppg of 20/40 sd
Flush w/ 3024 gals of slick wtr
Max TP: 3388, Avg TP: 2000
Max Rate: 29.9 BPM, Avg Rate: 29.4 BPM
Total fluid pmpd: 323 bbls, Total Prop pmpd: 54,010
ISIP: 2080, 5 min: 1951

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 235' plug from 5102'-5337' with 60 sx Class "G" cement.
2. Plug #2 Set 458' plug from 4657'-5115' with 30 sx Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
4. Plug #4 Set 100' plug from 257'-357' (50' on either side of casing shoe) with 15 sx Class "G" cement.
5. Plug #5 Set 50' plug from surface with 10 sx Class "G" cement.
6. Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 307' to surface.

The approximate cost to plug and abandon this well is \$18,000.

South Wells Draw State #15-2-9-16

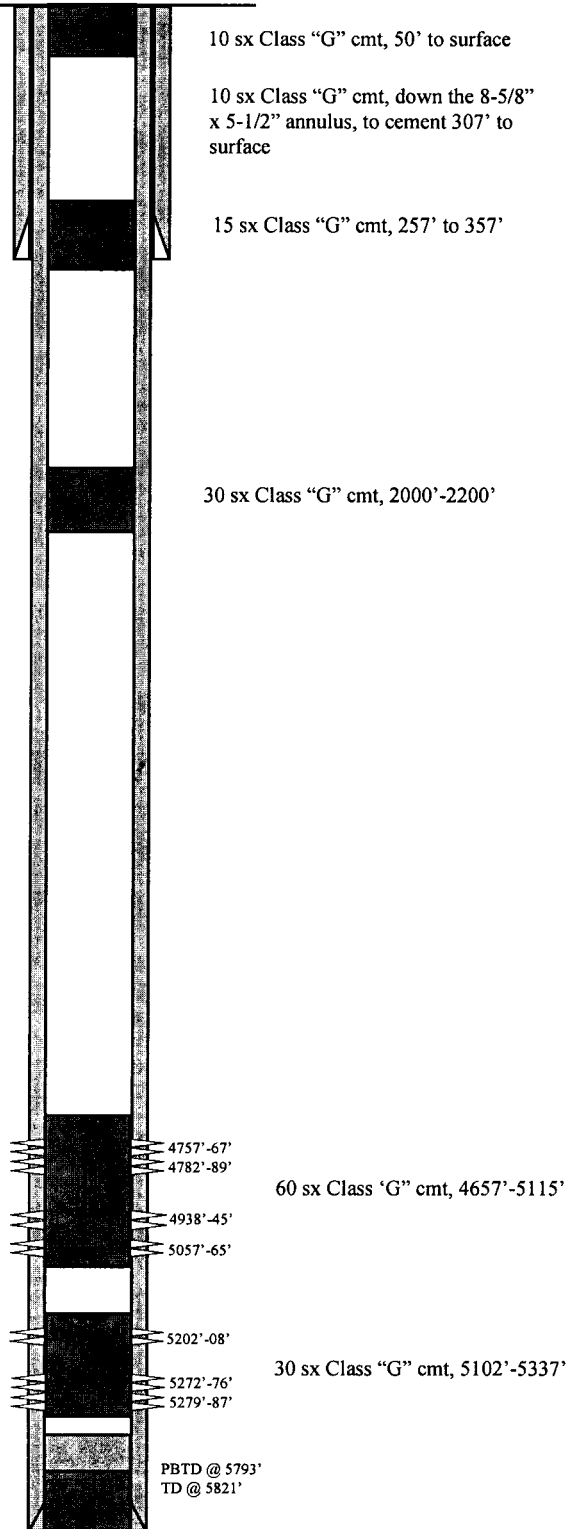
Spud Date: 4/22/2000
 Put on Production: 6/05/2000
 GL: 5527' KB: 5537'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (30.71")
 DEPTH LANDED: 307.31'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 4-1/2"
 GRADE: J-55
 WEIGHT: 11.6#
 LENGTH: 136 jts. (5810.87')
 DEPTH LANDED: 5808.47'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sk Prem. Lite II mixed & 500 sxs 50/50 POZ.
 CEMENT TOP AT: 217' per CBL

Proposed P & A
Wellbore Diagram

Inland Resources Inc.

South Wells Draw State #15-2-9-16

778 FSL 1996 FEL

SWSE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31567; Lease #ML-21839



February 1, 2001

FEB 05 2001
DIVISION OF
OIL, GAS AND MINING

Mr. Brad Hill
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

Re: Conversion of two (2) Additional Wells to
South Monument Butte Area Permit
Class II Injection Conversion

South Wells Draw State #11-2

NESW Sec. 2, T9S, R16E
Duchesne County, Utah

43-013-32125
213-7.4

South Wells Draw State #15-2

SWSE Sec. 2, T9S, R16E
Duchesne County, Utah

43-013-31932
213-7.5

Dear Mr. Hill,

I have enclosed some information that was missing from the original permit applications for each of the above captioned wells; specifically, the water information we were waiting for, and a Notice of Intent. Please forgive the oversight!

Sincerely,

Joyce McGough
Regulatory Specialist

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/SE 778' fsl, 1996' fel Sec. 2, T9S, R16E

5. Lease Designation and Serial No.

ML-21839

6. If Indian, Allottee or Tribe Name

NA

7. If unit or CA, Agreement Designation

8. Well Name and No.

S. Wells Draw State 15-2

9. API Well No.

43-013-31567

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing repair ☐ Water Shut-off
☐ Altering Casing ☒ Conversion to Injection
☐ Other ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Please see attached injection application.

14. I hereby certify that the foregoing is true and correct

Signed

Joyce I. McGough

Title

Regulatory Specialist

Date

1/11/01

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNICHEM

A Division of BJ Services

722 5727

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5088
Fax (435) 722-5727**WATER ANALYSIS REPORT**

Company Inland Address _____ Date 1/22/00
 Source So Wells Draw Date Sampled 1/19/00 Analysis No. _____
15-2-9-16

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.6</u>		
2. H ₂ S (Qualitative)	<u>1.0</u>		
3. Specific Gravity	<u>1.005</u>		
4. Dissolved Solids		<u>5,666</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>0</u>	+ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>732</u>	+ 61 <u>12</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>2,830</u>	+ 35.5 <u>80</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	+ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>80</u>	+ 20 <u>4</u> Ca
11. Magnesium (Mg)	Mg	<u>0</u>	+ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>1.6</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Equly. Wt.	X	Meg/l	=	Mg/l
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 4 0 92 </div>	Ca					
	Mg					
	Na					
	HCO ₃					
	SO ₄					
	Cl					
	Ca(HCO ₃) ₂	81.04		<u>4</u>		<u>324</u>
	CaSO ₄	68.07				
	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17				
	MgSO ₄	60.19				
	MgCl ₂	47.62		<u>8</u>		<u>672</u>
	NaHCO ₃	84.00				
	Na ₂ SO ₄	71.03		<u>80</u>		<u>4,677</u>
	NaCl	58.46				

Saturation Values

Distilled Water 20°C

CaCO₃

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

Complete & Compat.

REMARKS _____

Received Time Jan. 25. 11:50AM

722 5727

AQUAMIX SCALING PREDICTIONS

1/22/01

COMPANY: Inland Production Company
 LOCATION:
 SYSTEM:

WATER DESCRIPTION:	Johnson Water	So. Wells Draw 15-2-9-16
P-ALK AS PPM CaCO ₃	0	0
M-ALK AS PPM CaCO ₃	393	1201
SULFATE AS PPM SO ₄	130	0
CHLORIDE AS PPM Cl	71	2830
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	180	200
MAGNESIUM AS PPM CaCO ₃	169	0
SODIUM AS PPM Na	46	2024
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	600	5666
TOTAL DISSOLVED SOLIDS	100	100
TEMP (DEG-F)	7.4	8.6
SYSTEM PH		

WATER COMPATIBILITY CALCULATIONS

Johnson Water AND So. Wells Draw 15

CONDITIONS: pH=8. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS Johnson Water

% Water	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.93	51	0	0	0
90	.99	54	0	0	0
80	1.04	56	0	0	0
70	1.07	57	0	0	0
60	1.10	59	0	0	0
50	1.13	60	0	0	0
40	1.15	61	0	0	0
30	1.16	62	0	0	0
20	1.18	63	0	0	0
10	1.19	63	0	0	0
0	1.20	64	0	0	0



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

July 30, 2001

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: South Monument Butte Unit Well: Monument Butte 15-2-9-16, Section 2, Township 9
South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza
Associate Director

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City

USE 213-7

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: South Wells Draw State 15-2-9-16

Location: 2/9S/16E

API: 43-013-31932

Ownership Issues: The proposed well is located on State (SITLA) land. The well is located in the South Monument Butte Unit. Lands in the one-half mile radius of the well are administered by SITLA and the the BLM. SITLA and the Federal Government are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the South Monument Butte Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 307 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5808 feet and has a cement top at 248'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4693 feet. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 500 feet. Injection shall be limited to the interval between 4757 feet and 5287 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 15-2-9-16 well is .868 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2068 psig. The requested maximum pressure is 2068 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the South Monument Butte Unit June 8, 2001. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the State of Utah.

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date 07/30/2001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-21839	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		7. UNIT AGREEMENT NAME SO MONUMENT BUTTE	
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/SE Section 2, T9S R16E 778 FSL 1996 FEL		8. FARM OR LEASE NAME MONUMENT BUTTE ST 15-2-9-16	
14. API NUMBER 43-013-31932		9. WELL NO. MONUMENT BUTTE ST 15-2-9-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5527 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
12. COUNTY OR PARISH DUCHESNE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/SE Section 2, T9S R16E	
13. STATE UT			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> Injection Conversion	
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was converted from a producing to an injection well on 5/23/03. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4159'. On 5/27/03 Mr. Dennis Ingram w/State DOGM was contacted and gave permission to conduct a MIT on the casing. On 5/29/03 the casing was pressured to 1175 psi w/ no pressure loss charted in the 1/2 hour test. Mr. Dennis Ingram was there to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>	DATE <u>5/30/2003</u>
Krishna Russell		

cc: BLM

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RECEIVED
JUN 02 2003
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Dennis / [Signature] Date 5/29/03 Time 9:00 am pm

Test Conducted by: BRET LENRUE

Others Present: _____

Well: MONUMENT BUTTE STATE 15-2-9-16

Field: SOUTH MONUMENT BUTTE

Well Location: SW/SE SEC. 2, T9S, R1E

API No: 43-03-31932

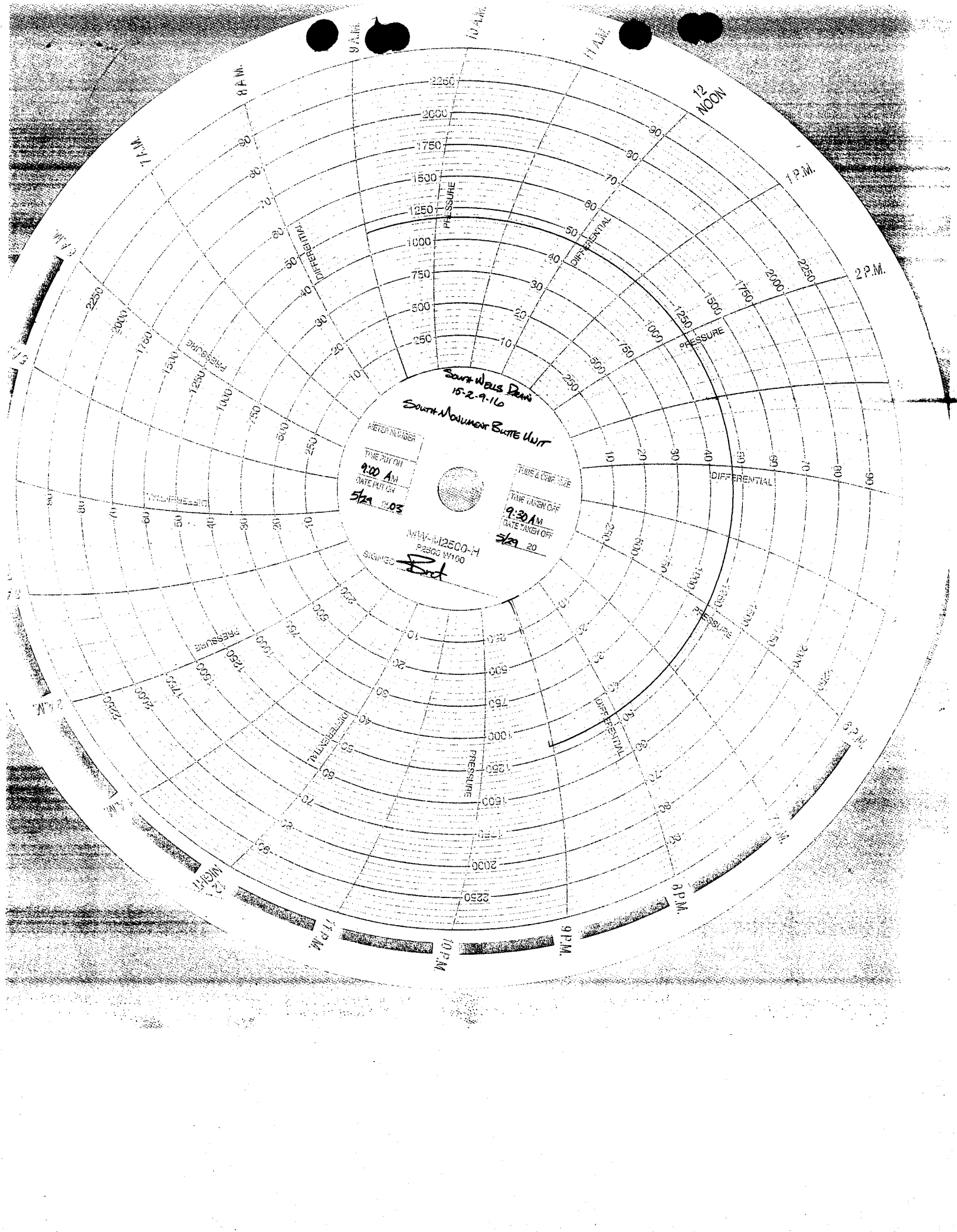
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1175</u>	psig
5	<u>1175</u>	psig
10	<u>1175</u>	psig
15	<u>1175</u>	psig
20	<u>1175</u>	psig
25	<u>1175</u>	psig
30 min	<u>1175</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 110 psig

Result: Pass Fail

Signature of Witness: [Signature]

Signature of Person Conducting Test: Bret Lenrue



STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. ML-21839
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME SO MONUMENT BUTTE
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. WELL NAME and NUMBER MONUMENT BUTTE ST 15-2-9-16
3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. API NUMBER 43-013-31932
4. LOCATION OF WELL Footages 778 FSL 1996 FEL QQ, SEC, T, R, M: SW/SE Section 2, T9S R16E		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE
		COUNTY DUCHESNE STATE UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input type="checkbox"/> OTHER _____	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> OTHER <u>Report of First Injection</u> DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

The above referenced well was put on injection at 11:00 a.m. on 6/6/03.

13. NAME & SIGNATURE: Mandie Crozier TITLE Regulatory Specialist DATE 6/6/2003
 Mandie Crozier

(This space for State use only)

RECEIVED

JUN 09 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>MBS 15-2-9-16</u>	API Number: <u>43-013-31932</u>
Qtr/Qtr: <u>S4/S2</u> Section: <u>2</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>Inland Production Company</u>	
Lease: State <u>NY-21839</u> Fee _____	Federal _____ Indian _____
Inspector: <u>Dennis & Olyn</u>	Date: <u>5-29-03</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 110 psi
 Casing/Tubing Annulus - Pressure: 1175 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1175</u>	<u>110</u>
5	<u>1175</u>	<u>110</u>
10	<u>1175</u>	<u>110</u>
15	<u>1175</u>	<u>110</u>
20	<u>1175</u>	<u>110</u>
25	<u>1175</u>	<u>110</u>
30	<u>1175</u>	<u>110</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 110 psiCasing/Tubing Annulus Pressure: 1175 psi

COMMENTS: Conversion used chart Static
Tested 9:00am

Dennis & Olyn
 Operator Representative



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. 213-07

Operator: Inland Production Company

Well: Monument Butte State 15-2-9-16

Location: Section 2, Township 9 South, Range 16 East

County: Duchesne

API No.: 43-013-31932

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 30, 2001.
2. Maximum Allowable Injection Pressure: 2068 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4757' - 5287')

Approved by:


John R. Baza
Associate Director

6/11/2003
Date

er

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: _____
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk. Services Manager*Approval Date: *9-20-04*

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

OPERATOR CHANGE WORKSHEET**ROUTING**

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****S MONUMENT BUTTE (GR)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-1	01	090S	160E	4301330571	13195	Federal	WI	A
MONUMENT BUTTE FED 6-1	01	090S	160E	4301331506	13195	Federal	OW	P
MON BUTTE FED 5-1	01	090S	160E	4301331507	13195	Federal	OW	P
MONUMENT BUTTE FED 4-1	01	090S	160E	4301331545	13195	Federal	OW	P
MONUMENT BUTTE ST 8-2	02	090S	160E	4301331509	13195	State	OW	P
MONUMENT BUTTE ST 16-2	02	090S	160E	4301331510	13195	State	OW	P
MON BUTTE ST 9-2	02	090S	160E	4301331555	13195	State	WI	A
MONUMENT BUTTE ST 10-2	02	090S	160E	4301331565	13195	State	OW	P
MONUMENT BUTTE ST 15-2-9-16	02	090S	160E	4301331932	13195	State	WI	A
S WELLS DRAW 5-2-9-16	02	090S	160E	4301332124	13195	State	WI	A
S WELLS DRAW 11-2-9-16	02	090S	160E	4301332125	13195	State	WI	A
S WELLS DRAW 12-2-9-16	02	090S	160E	4301332126	13195	State	OW	P
S WELLS DRAW 13-2-9-16	02	090S	160E	4301332127	13195	State	WI	A
S WELLS DRAW 14-2-9-16	02	090S	160E	4301332128	13195	State	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on:

IN PLACE

6b. Inspections of LA PA state/fee well sites complete on:

waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on:

n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on:

na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on:

2/28/2005

2. Changes have been entered on the Monthly Operator Change Spread Sheet on:

2/28/2005

3. Bond information entered in RBDMS on:

2/28/2005

4. Fee/State wells attached to bond in RBDMS on:

2/28/2005

5. Injection Projects to new operator in RBDMS on:

2/28/2005

6. Receipt of Acceptance of Drilling Procedures for APD/New on:

waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number:

61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number

61BSBDH2919

2. The FORMER operator has requested a release of liability from their bond on:

n/a*

The Division sent response by letter on:

n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-21839

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: S MON BUTTE UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: MONUMENT BUTTE ST 15-2-9-16
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 778 FSL 1996 FEL		9. API NUMBER: 4301331932
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 2, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - 5 Year MIT.
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 04/23/2008			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 4/21/08 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at this time to perform the test on 4/23/08. On 4/23/08 the csg was pressured to 1400 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1690 psig during the test. There was not a State representative available to witness the test.
API# 43-013-31932

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 04-30-08
By: [Signature]

COPY SENT TO OPERATOR

Date: 5.1.2008
Initials: KS

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk
SIGNATURE [Signature] DATE 04/28/2008

(This space for State use only)

RECEIVED

APR 30 2008

IL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: N/A Date 4/23/08 Time 9:30 am pm

Test Conducted by: Joey Reyes

Others Present: N/A

Well: SW/SE Sec. 2, T9S, R16E

Field: Newfield

Well Location: Monument Butte State
15-2-9-16

API No: 43-013-31932

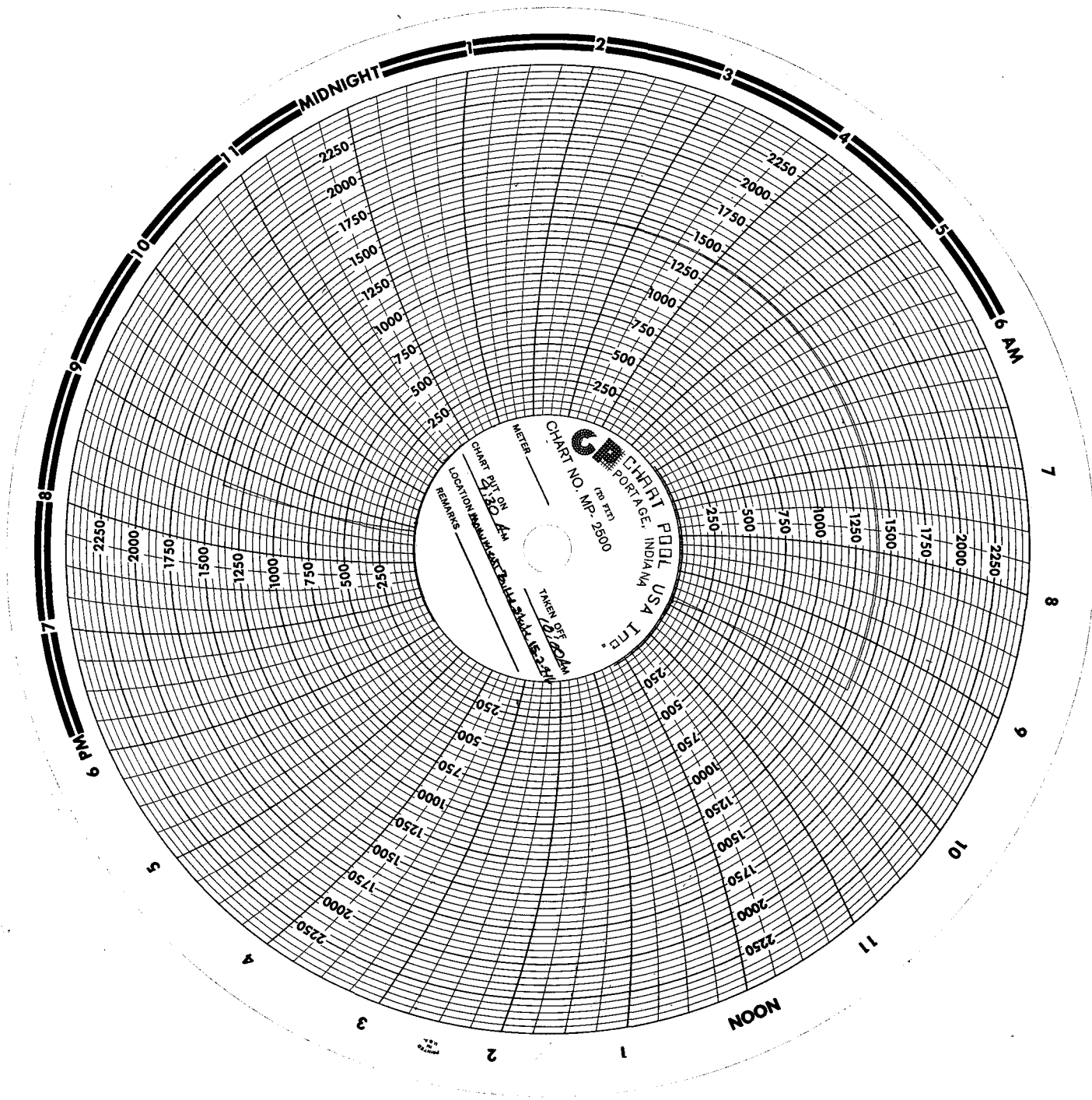
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1405</u>	psig
25	<u>1410</u>	psig
30 min	<u>1410</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1690 psig

Result: Pass Fail

Signature of Witness: N/A

Signature of Person Conducting Test: [Signature]



GP CHART PLOT USA INC.
PORTAGE, INDIANA 46324
CHART NO. MP-2500
TAKEN OFF
2/27/79 BY
15-234
METER
CHART PUT ON
2/20/80
LOCATION
REMARKS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21839
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: MONUMENT BUTTE ST 15-2-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013319320000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0778 FSL 1996 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 02 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/19/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:
	<input checked="" type="checkbox"/> OTHER	OTHER: 5 YR MIT		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 03/13/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 03/19/2013 the casing was pressured up to 1160 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1881 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 25, 2013**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 3/20/2013

Mechanical Integrity Test

Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Chris Jensen Date 3/19/2013 Time 11:45 am pm
Test Conducted by: EVERETT URBH
Others Present: _____

Well: MONUMENT BUTTE STATE 15-2-9-16

Field: Monument Butte

Well Location: SW SE Sec 2 T9S R16E
Duchesne County, UT

API No: 43-013-31932

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1160</u>	psig
5	<u>1160</u>	psig
10	<u>1160</u>	psig
15	<u>1160</u>	psig
20	<u>1160</u>	psig
25	<u>1160</u>	psig
30 min	<u>1160</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1881 psig

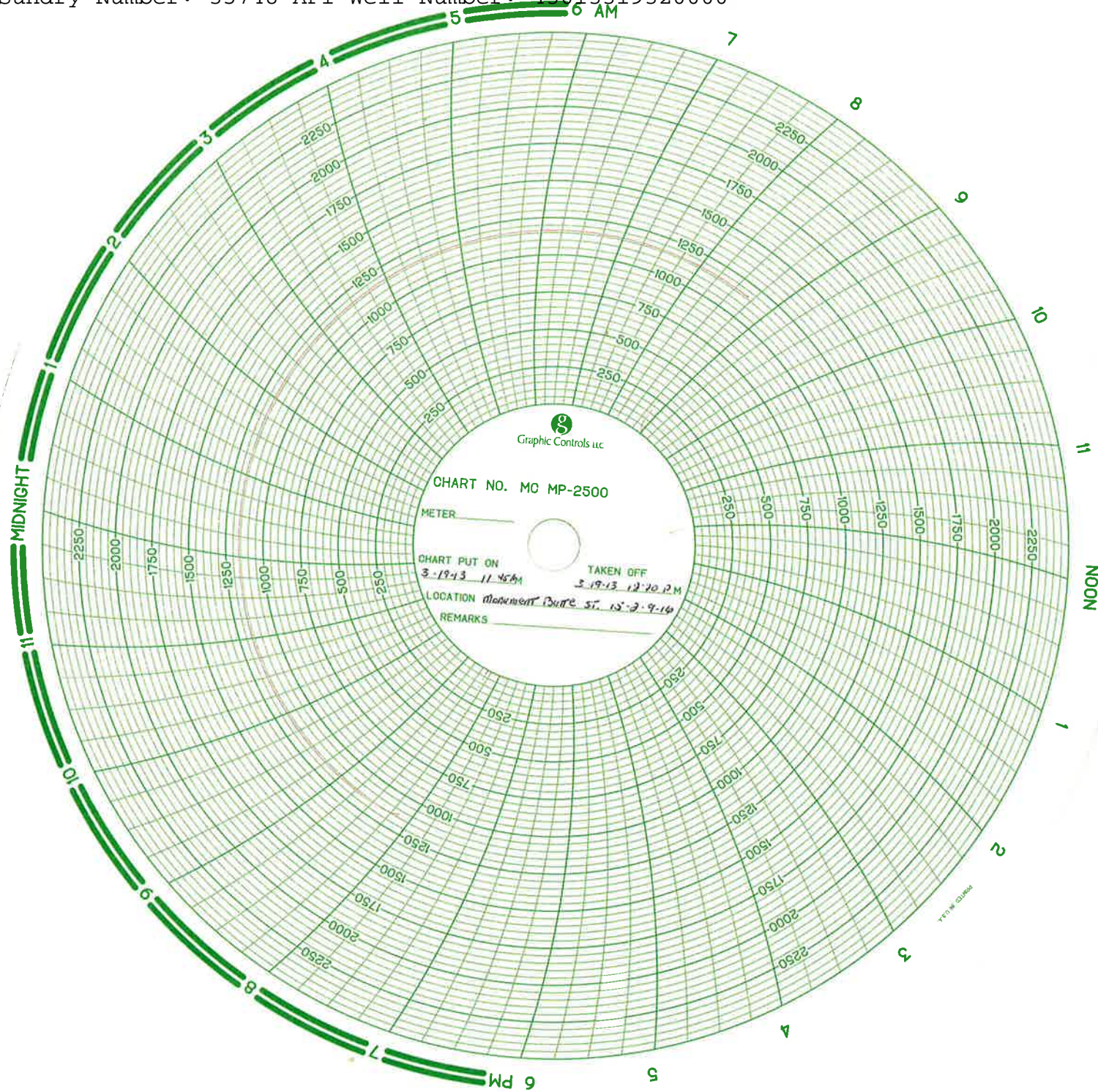
Result: Pass

Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Urbh

Sundry Number: 35748 API Well Number: 43013319320000



Spud Date: 4/22/2000

Put on Production: 6/05/2000

Put on Injection: 5/27/2003

GL: 5527' KB: 5537'

Monument Butte State 15-2-9-16

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (30.71")

DEPTH LANDED: 307.31'

HOLE SIZE: 12-1/4"

CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 4-1/2"

GRADE: J-55

WEIGHT: 11.6#

LENGTH: 136 jts. (5810.87')

DEPTH LANDED: 5808.47'

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sk Prem. Lite II mixed & 500 sxs 50/50 POZ.

CEMENT TOP AT: 217' per CBL

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#

NO. OF JOINTS: 129 jts (4141.48')

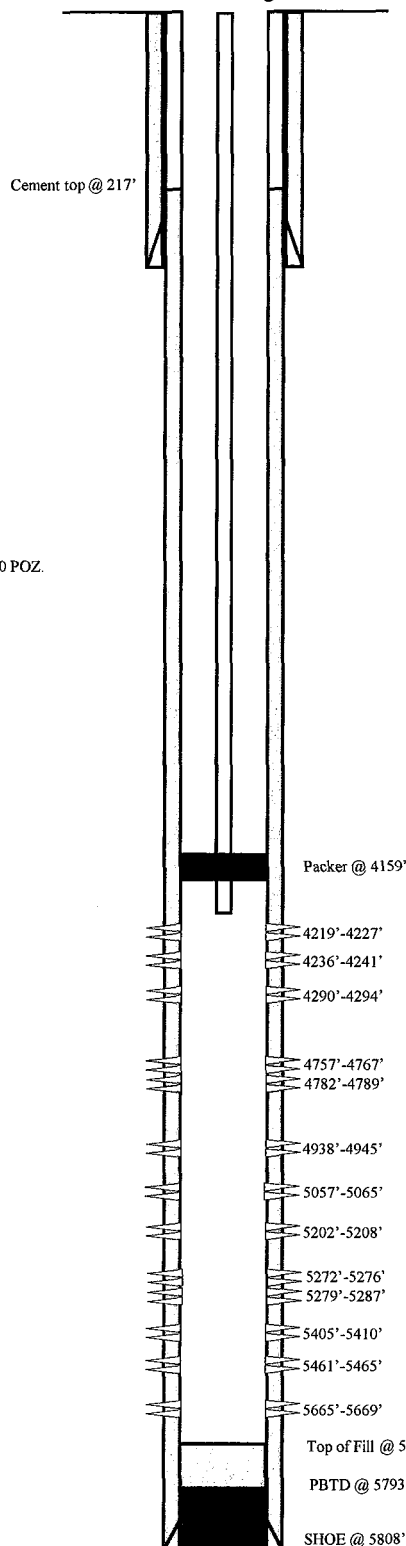
SEATING NIPPLE: 2-3/8" (1.10')

TOTAL STRING LENGTH: EOT @ 4158.93'

SN LANDED AT: 4151'

Injection

Wellbore Diagram



FRAC JOB

5/22/00	5202'-5287'	Frac A-1 & 3 sand as follows: 75,000# 20/40 sand in 412 bbls Viking 1-25 Fluid. Perfs brk back @ 2520 psi @ 5.5 BPM. Treated @ avg press of 2300 psi w/ avg rate of 30 BPM. ISIP - 2900 psi, 5 min - 2060 psi. RD BJ. Flow back A sd frac on 12/64 choke for 1 hr & died. Rec 16 BTF
5/25/00	5057'-5065'	Frac B-2 sand as follows: 3000 gas of Viking 1-25 pad, 54,020 lbs white 20/40 sand in 8000 gals Viking 1-25 fluid. 3234 gals flush. 3801 psi break down. 2000 psi avg. 27 bmp max, 27 bmp avg. ISP 2350 psi. 5 min 2174 psi. 352 total bbls pumped. RD BJ Services. Flow frac back @ 1/4 bmp avg rate. 45 bbls in 3 hrs.
5/30/00	4938'-4945'	Frac C sand as follows: 54,239# 20/40 sd in 330 bbls Viking I-25 fluid. Hole filled w/ 60 bbls. Perfs broke dn @ 2260 psi. Treated @ avg rate of 24.4 BPM w/ avg press of 2100 psi. Screened out w/ 8.5# sd on perfs w/ 2352 gals flushed (862 gals short of top perf). Est 49,622 # sd in formation & 4617# sd left in csg. RD BJ. Flowback frac on 12/64" chk for 1 hr & died. Rec 18 BTF
6/01/00	4757'-4789'	Frac D-1 sand as follows: 54,010# 20/40 sand in 323 bbls Viking I-25 fluid. Hole filled w/ 67 bbls. Perfs broke dn @ 3388 psi. Treated @ avg rate of 29.4 BPM w/ avg press of 2000 psi. ISIP: 2080 psi, 5-min: 1951 psi. RD BJ. Flowback frac on 12/64" chk for 2 hrs and died. Rec 94 BTF
5/23/03		Conversion to Injection Well. Update tubing detail.
4/23/08		5 Year MIT completed and submitted.

PERFORATION RECORD

5/22/00	5279'-5287'	4 JSPF	32 holes
5/22/00	5272'-5276'	4 JSPF	16 holes
5/22/00	5202'-5208'	4 JSPF	24 holes
5/24/00	5057'-5065'	4 JSPF	32 holes
5/26/00	4938'-4945'	4 JSPF	28 holes
5/31/00	4757'-4767'	4 JSPF	40 holes
5/31/00	4782'-4789'	4 JSPF	28 holes
5/22/03	4219'-4227'	4 JSPF	40 holes
5/22/03	4236'-4241'		
5/22/03	4290'-4294'	4 JSPF	28 holes
5/22/03	5405'-5410'	4 JSPF	20 holes
5/22/03	5461'-5465'	4 JSPF	16 holes
5/22/03	5665'-5669'	4 JSPF	16 holes



Monument Butte State #15-2-9-16

778 FSL & 1996 FEL

SW/SE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31932; Lease #ML-21839

TD @ 5813'

CR 4/29/08